

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000242.D
 Acq On : 09 Oct 2019 14:45
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:41:17 AM

Quant Time: Oct 10 02:14:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	280249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	465540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	409981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	187336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	189840	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.73	113	153439	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.19	98	578265	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.49	95	198127	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	5855	2.093	ug/l 97
3) Chloromethane	2.12	50	8116	2.130	ug/l 98
4) Vinyl Chloride	2.25	62	8727	2.218	ug/l 96
5) Bromomethane	2.64	94	8619	3.473	ug/l 81
6) Chloroethane	2.79	64	5729	2.306	ug/l 94
7) Trichlorofluoromethane	3.12	101	12307	2.421	ug/l # 78
8) Diethyl Ether	3.53	74	5669	2.439	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	7472	2.518	ug/l # 74
10) Methyl Iodide	4.10	142	5930	1.355	ug/l # 79
11) Tert butyl alcohol	4.97	59	28704	14.659	ug/l # 90
12) 1,1-Dichloroethene	3.87	96	6755	2.192	ug/l 88
13) Acrolein	3.74	56	12712	12.367	ug/l 93
14) Allyl chloride	4.49	41	12038	2.319	ug/l # 85
15) Acrylonitrile	5.19	53	39110	11.314	ug/l 99
16) Acetone	3.96	43	32511	11.389	ug/l 94
17) Carbon Disulfide	4.20	76	18327	2.018	ug/l # 94
18) Methyl Acetate	4.49	43	18547	2.371	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	23878	2.118	ug/l 94
20) Methylene Chloride	4.72	84	9012	2.403	ug/l 94
21) trans-1,2-Dichloroethene	5.23	96	7992	2.306	ug/l 95
22) Diisopropyl ether	6.14	45	25653	2.133	ug/l 89
23) Vinyl Acetate	6.08	43	113716	10.438	ug/l 98
24) 1,1-Dichloroethane	6.02	63	14280	2.327	ug/l 94
25) 2-Butanone	7.00	43	58274	11.034	ug/l 97
26) 2,2-Dichloropropane	6.99	77	13434	2.426	ug/l 98
27) cis-1,2-Dichloroethene	7.00	96	9354	2.291	ug/l 96
28) Bromochloromethane	7.34	49	5776	2.860	ug/l # 95
29) Tetrahydrofuran	7.36	42	39832	10.679	ug/l 94
30) Chloroform	7.52	83	14142	2.221	ug/l # 80
31) Cyclohexane	7.80	56	17858	2.882	ug/l # 76
32) 1,1,1-Trichloroethane	7.72	97	12682	2.343	ug/l 98
36) 1,1-Dichloropropene	7.93	75	10227	2.159	ug/l 96
37) Ethyl Acetate	7.09	43	18839	2.200	ug/l 95
38) Carbon Tetrachloride	7.91	117	11339	2.456	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000242.D
 Acq On : 09 Oct 2019 14:45
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:41:17 AM

Quant Time: Oct 10 02:14:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	13272	2.233	ug/l #	93
40) Benzene	8.17	78	31940	2.223	ug/l	98
41) Methacrylonitrile	7.35	41	14844m	2.202	ug/l	
42) 1,2-Dichloroethane	8.25	62	12014	2.574	ug/l	94
43) Isopropyl Acetate	8.28	43	24838	2.253	ug/l	97
44) Trichloroethene	8.94	130	9978	2.561	ug/l	96
45) 1,2-Dichloropropane	9.23	63	8300	2.306	ug/l	93
46) Dibromomethane	9.32	93	5586	2.214	ug/l	94
47) Bromodichloromethane	9.50	83	11288	2.287	ug/l #	95
48) Methyl methacrylate	9.30	41	11195	2.250	ug/l	97
49) 1,4-Dioxane	9.30	88	5746	44.992	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	94967	11.464	ug/l	98
52) Toluene	10.25	92	20220	2.194	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	11677	2.085	ug/l	89
54) cis-1,3-Dichloropropene	9.93	75	12714	2.098	ug/l #	90
55) 1,1,2-Trichloroethane	10.64	97	8056	2.217	ug/l	91
56) Ethyl methacrylate	10.52	69	13252	2.071	ug/l	96
57) 1,3-Dichloropropane	10.80	76	13970	2.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	30355	10.644	ug/l	96
59) 2-Hexanone	10.84	43	77026	10.971	ug/l	96
60) Dibromochloromethane	10.99	129	8494	2.211	ug/l	96
61) 1,2-Dibromoethane	11.10	107	8919	2.311	ug/l	96
64) Tetrachloroethene	10.72	164	10364	2.766	ug/l	88
65) Chlorobenzene	11.52	112	21709	2.285	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	8228	2.422	ug/l	95
67) Ethyl Benzene	11.60	91	38597	2.273	ug/l	97
68) m/p-Xylenes	11.70	106	28558	4.407	ug/l	99
69) o-Xylene	12.03	106	14698	2.354	ug/l	99
70) Styrene	12.05	104	23556	2.190	ug/l	97
71) Bromoform	12.21	173	6460	2.305	ug/l #	96
73) Isopropylbenzene	12.33	105	36572	2.304	ug/l	96
74) N-amyl acetate	12.14	43	15191	2.010	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.59	83	12934	2.387	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	10033m	2.028	ug/l	
77) Bromobenzene	12.61	156	8577	2.304	ug/l	94
78) n-propylbenzene	12.67	91	42152	2.273	ug/l	95
79) 2-Chlorotoluene	12.76	91	23713	2.221	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	31080	2.346	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	4680	1.952	ug/l	86
82) 4-Chlorotoluene	12.86	91	25105	2.322	ug/l	99
83) tert-Butylbenzene	13.08	119	27158	2.359	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	30548	2.308	ug/l	99
85) sec-Butylbenzene	13.25	105	36550	2.303	ug/l	99
86) p-Isopropyltoluene	13.37	119	31756	2.276	ug/l	96
87) 1,3-Dichlorobenzene	13.37	146	16819	2.493	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	17013	2.421	ug/l	86
89) n-Butylbenzene	13.70	91	27001	2.053	ug/l	96
90) Hexachloroethane	13.96	117	5872	2.225	ug/l	83
91) 1,2-Dichlorobenzene	13.74	146	15961	2.337	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3796	2.244	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
Data File : VY000242.D
Acq On : 09 Oct 2019 14:45
Operator : SY/MD
Sample : 2.5PPBMDL
Misc : 5.0ml/MSVOA Y/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:41:17 AM

Quant Time: Oct 10 02:14:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 02:06:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	10950	2.362	ug/l	100
94) Hexachlorobutadiene	15.11	225	5514	2.489	ug/l	97
95) Naphthalene	15.23	128	39371	2.257	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.42	180	10557	2.367	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
Data File : VY000242.D
Acq On : 09 Oct 2019 14:45
Operator : SY/MD
Sample : 2.5PPBMDL
Misc : 5.0ml/MSVOA Y/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:41:17 AM

Quant Time: Oct 10 02:14:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 02:06:22 2019
Response via : Initial Calibration

