

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002245.D
 Acq On : 08 Apr 2020 11:48
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:31:42 AM

Quant Time: Apr 08 15:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	155290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	17516	10.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.28%	
35) Dibromofluoromethane	7.74	113	16628	9.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.98%	
50) Toluene-d8	10.19	98	70727	10.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.30%	
62) 4-Bromofluorobenzene	12.48	95	23386	10.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	16952	10.801	ug/l	94
3) Chloromethane	2.13	50	21901	11.088	ug/l	94
4) Vinyl Chloride	2.26	62	22877	10.881	ug/l	99
5) Bromomethane	2.66	94	15496	11.936	ug/l	94
6) Chloroethane	2.80	64	13394	11.047	ug/l	99
7) Trichlorofluoromethane	3.15	101	29072	10.707	ug/l	97
8) Diethyl Ether	3.55	74	11792	10.216	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.92	101	19431	10.535	ug/l	99
10) Methyl Iodide	4.11	142	21422	9.992	ug/l	98
11) Tert butyl alcohol	4.97	59	12966	57.070	ug/l #	82
12) 1,1-Dichloroethene	3.89	96	20111	10.725	ug/l	87
13) Acrolein	3.75	56	11305	50.771	ug/l	95
14) Allyl chloride	4.51	41	31471	10.394	ug/l	99
15) Acrylonitrile	5.19	53	31134	52.745	ug/l	99
16) Acetone	3.97	43	24398	53.640	ug/l	98
17) Carbon Disulfide	4.22	76	65753	10.559	ug/l	97
18) Methyl Acetate	4.50	43	14802	10.492	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	51629	10.473	ug/l	96
20) Methylene Chloride	4.74	84	24847	11.114	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	22323	10.606	ug/l	94
22) Diisopropyl ether	6.14	45	66011	10.833	ug/l	96
23) Vinyl Acetate	6.09	43	205727	52.979	ug/l	99
24) 1,1-Dichloroethane	6.05	63	36857	10.634	ug/l	95
25) 2-Butanone	7.01	43	38668	53.719	ug/l	96
26) 2,2-Dichloropropane	7.00	77	31792	10.965	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	23988	10.456	ug/l	96
28) Bromochloromethane	7.36	49	15506	10.364	ug/l	99
29) Tetrahydrofuran	7.37	42	26168	54.996	ug/l	97
30) Chloroform	7.53	83	34899	10.682	ug/l	100
31) Cyclohexane	7.80	56	39737	10.922	ug/l #	85
32) 1,1,1-Trichloroethane	7.72	97	28533	10.492	ug/l	99
36) 1,1-Dichloropropene	7.93	75	29164	10.584	ug/l	96
37) Ethyl Acetate	7.10	43	17394	11.050	ug/l	98
38) Carbon Tetrachloride	7.92	117	24388	10.347	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002245.D
 Acq On : 08 Apr 2020 11:48
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:31:42 AM

Quant Time: Apr 08 15:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	39483	10.534	ug/l	99
40) Benzene	8.18	78	89934	10.758	ug/l	97
41) Methacrylonitrile	7.35	41	10269m	9.875	ug/l	
42) 1,2-Dichloroethane	8.25	62	22067	10.656	ug/l	100
43) Isopropyl Acetate	8.29	43	30398	10.588	ug/l	99
44) Trichloroethene	8.95	130	26395	10.739	ug/l	88
45) 1,2-Dichloropropane	9.23	63	22327	10.764	ug/l	100
46) Dibromomethane	9.31	93	11500	10.603	ug/l	98
47) Bromodichloromethane	9.51	83	25934	10.421	ug/l	95
48) Methyl methacrylate	9.30	41	13149	10.215	ug/l	98
49) 1,4-Dioxane	9.31	88	3260	212.493	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	81440	54.440	ug/l	97
52) Toluene	10.25	92	53195	10.558	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	27515	10.148	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	34191	10.489	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	16731	10.537	ug/l	96
56) Ethyl methacrylate	10.52	69	23240	10.255	ug/l	98
57) 1,3-Dichloropropane	10.80	76	29965	10.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	58766	50.075	ug/l	100
59) 2-Hexanone	10.84	43	55964	53.903	ug/l	98
60) Dibromochloromethane	10.99	129	17301	10.218	ug/l	98
61) 1,2-Dibromoethane	11.09	107	15918	10.530	ug/l	97
64) Tetrachloroethene	10.73	164	26966	10.815	ug/l	95
65) Chlorobenzene	11.52	112	55227	10.772	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	18247	10.780	ug/l	97
67) Ethyl Benzene	11.59	91	102529	10.924	ug/l	100
68) m/p-Xylenes	11.70	106	76624	21.798	ug/l	99
69) o-Xylene	12.03	106	35994	10.906	ug/l	98
70) Styrene	12.05	104	61816	10.796	ug/l	99
71) Bromoform	12.21	173	9604	10.434	ug/l #	99
73) Isopropylbenzene	12.33	105	95776	10.482	ug/l	100
74) N-amyl acetate	12.15	43	27776	10.709	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	11427	10.336	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	13600m	5.836	ug/l	
77) Bromobenzene	12.61	156	21278	10.584	ug/l	97
78) n-propylbenzene	12.67	91	120551	10.608	ug/l	100
79) 2-Chlorotoluene	12.76	91	64622	10.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	79613	10.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	6938	9.991	ug/l	93
82) 4-Chlorotoluene	12.86	91	68672	10.609	ug/l	99
83) tert-Butylbenzene	13.08	119	66834	10.558	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	80696	10.693	ug/l	99
85) sec-Butylbenzene	13.26	105	100743	10.684	ug/l	99
86) p-Isopropyltoluene	13.37	119	87637	10.798	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	42095	10.804	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	43508	11.001	ug/l	98
89) n-Butylbenzene	13.70	91	90437	10.871	ug/l	98
90) Hexachloroethane	13.96	117	16181	10.463	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	38013	10.737	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2643	9.885	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
Data File : VY002245.D
Acq On : 08 Apr 2020 11:48
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:31:42 AM

Quant Time: Apr 08 15:04:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 14:44:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	25149	10.868	ug/l	96
94) Hexachlorobutadiene	15.12	225	12900	11.068	ug/l	98
95) Naphthalene	15.24	128	52593	10.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	21297	10.599	ug/l	99

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

