

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000748.D
 Acq On : 20 Nov 2019 12:24
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:53:13 AM

Quant Time: Nov 21 07:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	204917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	339482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	307687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	125230	59.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.10%	
35) Dibromofluoromethane	7.73	113	109233	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
50) Toluene-d8	10.18	98	440739	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
62) 4-Bromofluorobenzene	12.48	95	157746	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	38224	18.949	ug/l	98
3) Chloromethane	2.11	50	52041	18.728	ug/l	97
4) Vinyl Chloride	2.25	62	51577	19.988	ug/l	97
5) Bromomethane	2.65	94	36065	23.307	ug/l	93
6) Chloroethane	2.79	64	33209	20.563	ug/l	94
7) Trichlorofluoromethane	3.13	101	71328	20.468	ug/l	99
8) Diethyl Ether	3.53	74	26349	21.279	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43911	20.842	ug/l	98
10) Methyl Iodide	4.10	142	49395	19.871	ug/l	98
11) Tert butyl alcohol	4.96	59	20623m	99.903	ug/l	
12) 1,1-Dichloroethene	3.87	96	42877	20.947	ug/l	92
13) Acrolein	3.74	56	14444	80.329	ug/l	98
14) Allyl chloride	4.48	41	72809	21.875	ug/l	98
15) Acrylonitrile	5.18	53	71012	111.950	ug/l	99
16) Acetone	3.96	43	56356	96.423	ug/l	94
17) Carbon Disulfide	4.19	76	122264	18.938	ug/l	98
18) Methyl Acetate	4.49	43	38116	20.974	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	121525	21.353	ug/l	95
20) Methylene Chloride	4.72	84	52238	20.859	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	48077	20.776	ug/l	84
22) Diisopropyl ether	6.13	45	159729	22.079	ug/l	97
23) Vinyl Acetate	6.07	43	515951	112.981	ug/l	98
24) 1,1-Dichloroethane	6.03	63	85182	21.735	ug/l	99
25) 2-Butanone	7.00	43	97823	104.873	ug/l	97
26) 2,2-Dichloropropane	6.99	77	74848	20.898	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	55381	21.887	ug/l	99
28) Bromochloromethane	7.35	49	22646	15.725	ug/l	94
29) Tetrahydrofuran	7.36	42	64102	112.334	ug/l	99
30) Chloroform	7.52	83	87151	21.982	ug/l	96
31) Cyclohexane	7.79	56	84963	20.698	ug/l	89
32) 1,1,1-Trichloroethane	7.71	97	76586	21.675	ug/l	99
36) 1,1-Dichloropropene	7.92	75	68107	21.222	ug/l	99
37) Ethyl Acetate	7.09	43	42941	22.537	ug/l	98
38) Carbon Tetrachloride	7.91	117	65175	21.105	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000748.D
 Acq On : 20 Nov 2019 12:24
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:53:13 AM

Quant Time: Nov 21 07:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	86686	20.907	ug/l	98
40) Benzene	8.17	78	197102	20.948	ug/l	100
41) Methacrylonitrile	7.33	41	22716m	21.371	ug/l	
42) 1,2-Dichloroethane	8.24	62	58887	22.066	ug/l	100
43) Isopropyl Acetate	8.28	43	80183	22.402	ug/l	97
44) Trichloroethene	8.94	130	52863	21.309	ug/l	89
45) 1,2-Dichloropropane	9.22	63	50357	21.746	ug/l	95
46) Dibromomethane	9.31	93	28068	22.039	ug/l	99
47) Bromodichloromethane	9.50	83	66822	22.113	ug/l	96
48) Methyl methacrylate	9.30	41	35051	22.413	ug/l	98
49) 1,4-Dioxane	9.30	88	7938	463.124	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	214745	112.846	ug/l	100
52) Toluene	10.24	92	131266	22.067	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	69089	21.397	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	80058	21.643	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	40465	21.967	ug/l	97
56) Ethyl methacrylate	10.51	69	58365	22.355	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71674	22.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	130918	110.918	ug/l	100
59) 2-Hexanone	10.83	43	149564	107.871	ug/l	100
60) Dibromochloromethane	10.99	129	44810	21.238	ug/l	97
61) 1,2-Dibromoethane	11.09	107	38998	22.019	ug/l	98
64) Tetrachloroethene	10.72	164	54993	21.615	ug/l	95
65) Chlorobenzene	11.52	112	133289	21.366	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	45330	20.952	ug/l	99
67) Ethyl Benzene	11.59	91	241155	21.004	ug/l	98
68) m/p-Xylenes	11.70	106	187098	42.104	ug/l	99
69) o-Xylene	12.03	106	87818	21.028	ug/l	98
70) Styrene	12.04	104	151141	21.135	ug/l	100
71) Bromoform	12.20	173	26493	21.290	ug/l #	100
73) Isopropylbenzene	12.33	105	239261	20.445	ug/l	99
74) N-amyl acetate	12.14	43	71931	21.462	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48931	21.117	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	41977m	23.283	ug/l	
77) Bromobenzene	12.61	156	53076	20.000	ug/l	97
78) n-propylbenzene	12.67	91	290166	20.550	ug/l	99
79) 2-Chlorotoluene	12.75	91	159759	20.380	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	201535	20.678	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16651	20.707	ug/l	98
82) 4-Chlorotoluene	12.85	91	172999	21.290	ug/l	98
83) tert-Butylbenzene	13.07	119	170566	20.496	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	200519	20.663	ug/l	100
85) sec-Butylbenzene	13.25	105	249642	21.055	ug/l	100
86) p-Isopropyltoluene	13.36	119	219829	20.803	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	104097	20.026	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	107028	20.605	ug/l	99
89) n-Butylbenzene	13.69	91	217178	20.838	ug/l	99
90) Hexachloroethane	13.95	117	39942	20.446	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	97521	20.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8853	21.588	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000748.D
Acq On : 20 Nov 2019 12:24
Operator : SY/MD
Sample : VY1120SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBSD01

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:53:13 AM

Quant Time: Nov 21 07:52:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	65387	20.362	ug/l	96
94) Hexachlorobutadiene	15.11	225	33303	20.119	ug/l	97
95) Naphthalene	15.23	128	148718	20.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	59818	20.763	ug/l	98

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

