

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003566.D
 Acq On : 20 Nov 2020 14:42
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Manual Integrations
 APPROVED

Quant Time: Nov 23 02:25:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	105184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	158614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	141929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	70077	50.00	ug/l	0.00

MMDadoda
 11/23/2020 1:39:39 PM

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	55629	50.94	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.88%
35) Dibromofluoromethane	7.72	113	51482	49.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.76%
50) Toluene-d8	10.18	98	183434	45.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.48%
62) 4-Bromofluorobenzene	12.48	95	62651	48.69	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.38%

MMDadoda

11/23/2020 1:39:39 PM

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	6335	20.436	ug/l	86
3) Chloromethane	2.11	50	15901	21.792	ug/l	97
4) Vinyl Chloride	2.26	62	20933	22.176	ug/l	99
5) Bromomethane	2.66	94	17097	21.653	ug/l	99
6) Chloroethane	2.80	64	14491	21.890	ug/l	96
7) Trichlorofluoromethane	3.13	101	20855	25.045	ug/l	98
8) Diethyl Ether	3.53	74	12091	20.019	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.90	101	19905	20.825	ug/l	98
10) Methyl Iodide	4.09	142	34976	21.550	ug/l	99
11) Tert butyl alcohol	5.00	59	9606m	116.371	ug/l	
12) 1,1-Dichloroethene	3.87	96	21694	20.947	ug/l	90
13) Acrolein	3.74	56	13408	128.668	ug/l	98
14) Allyl chloride	4.49	41	36357	20.941	ug/l	99
15) Acrylonitrile	5.18	53	32461	114.234	ug/l	99
16) Acetone	3.97	43	36009	98.746	ug/l #	87
17) Carbon Disulfide	4.19	76	61966	20.785	ug/l	99
18) Methyl Acetate	4.49	43	17610	22.198	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	36257	23.587	ug/l	100
20) Methylene Chloride	4.72	84	30933	23.874	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	24310	20.994	ug/l	95
22) Diisopropyl ether	6.12	45	58517	19.664	ug/l	97
23) Vinyl Acetate	6.07	43	255141	110.302	ug/l	99
24) 1,1-Dichloroethane	6.03	63	41011	20.705	ug/l	98
25) 2-Butanone	7.00	43	49745	105.129	ug/l	98
26) 2,2-Dichloropropane	6.99	77	27918	21.554	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	26556	21.154	ug/l	99
28) Bromochloromethane	7.34	49	20706	21.355	ug/l	98
29) Tetrahydrofuran	7.35	42	28738	115.932	ug/l	98
30) Chloroform	7.51	83	41186	20.837	ug/l	98
31) Cyclohexane	7.78	56	30171	19.109	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	29990	19.635	ug/l	99
36) 1,1-Dichloropropene	7.92	75	31492	20.167	ug/l	98
37) Ethyl Acetate	7.08	43	21960	23.337	ug/l	99
38) Carbon Tetrachloride	7.90	117	27200	18.803	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003566.D
 Acq On : 20 Nov 2020 14:42
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:39:39 PM

Quant Time: Nov 23 02:25:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	29792	18.773	ug/l	96
40) Benzene	8.16	78	94585	20.433	ug/l	96
41) Methacrylonitrile	7.32	41	10552	18.967	ug/l #	88
42) 1,2-Dichloroethane	8.24	62	28270	21.468	ug/l	100
43) Isopropyl Acetate	8.28	43	34411	19.915	ug/l #	90
44) Trichloroethene	8.94	130	25675	20.355	ug/l	94
45) 1,2-Dichloropropane	9.22	63	23934	20.858	ug/l	95
46) Dibromomethane	9.30	93	13538	20.717	ug/l	99
47) Bromodichloromethane	9.50	83	32273	20.793	ug/l	96
48) Methyl methacrylate	9.29	41	18479	22.342	ug/l	95
49) 1,4-Dioxane	9.31	88	3426	457.578	ug/l #	82
51) 4-Methyl-2-Pentanone	10.07	43	77356	93.412	ug/l	97
52) Toluene	10.24	92	56571	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	34390	21.170	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	38044	20.576	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	19377	20.906	ug/l	95
56) Ethyl methacrylate	10.51	69	21825	19.377	ug/l	96
57) 1,3-Dichloropropane	10.79	76	33411	21.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	65915	114.034	ug/l	99
59) 2-Hexanone	10.83	43	70862	103.803	ug/l	99
60) Dibromochloromethane	10.99	129	22900	20.434	ug/l	98
61) 1,2-Dibromoethane	11.09	107	19547	21.885	ug/l	97
64) Tetrachloroethene	10.72	164	20713	19.538	ug/l	96
65) Chlorobenzene	11.52	112	62576	20.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	17910	20.326	ug/l	98
67) Ethyl Benzene	11.59	91	97231	19.324	ug/l	99
68) m/p-Xylenes	11.70	106	75625	39.251	ug/l	98
69) o-Xylene	12.03	106	30809	19.990	ug/l	97
70) Styrene	12.04	104	61701	19.864	ug/l	98
71) Bromoform	12.20	173	15099	21.220	ug/l #	99
73) Isopropylbenzene	12.33	105	66766	19.127	ug/l	99
74) N-amyl acetate	12.14	43	27852	20.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	20773	21.386	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	13772m	20.271	ug/l	
77) Bromobenzene	12.61	156	26193	20.395	ug/l	99
78) n-propylbenzene	12.67	91	94218	19.213	ug/l	99
79) 2-Chlorotoluene	12.75	91	56506	19.962	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	55128	21.013	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	9288	21.733	ug/l	99
82) 4-Chlorotoluene	12.85	91	70581	20.351	ug/l	99
83) tert-Butylbenzene	13.07	119	53814	20.264	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	58100	20.799	ug/l	98
85) sec-Butylbenzene	13.25	105	63410	21.095	ug/l	100
86) p-Isopropyltoluene	13.37	119	58940	21.853	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	47584	20.354	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	48671	20.316	ug/l	96
89) n-Butylbenzene	13.69	91	56554	19.596	ug/l	99
90) Hexachloroethane	13.95	117	15005	21.040	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	37408	20.047	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2912	23.017	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
Data File : VY003566.D
Acq On : 20 Nov 2020 14:42
Operator : SY/MD
Sample : VY1120SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBSD01

Manual Integrations
APPROVED

MMDadoda
11/23/2020 1:39:39 PM

Quant Time: Nov 23 02:25:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:00:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	21147	20.207	ug/l	98
94) Hexachlorobutadiene	15.11	225	14337	22.888	ug/l	98
95) Naphthalene	15.23	128	38958	21.816	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16438	21.368	ug/l	95

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

