

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031720\
 Data File : VY001991.D
 Acq On : 17 Mar 2020 11:00
 Operator : SY/MD
 Sample : VY0317SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 11:13:07 AM

Quant Time: Mar 17 16:31:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	160688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	287794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	84975	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.75	113	79975	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.20	98	327365	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.50	95	112911	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	27842	18.771	ug/l	93
3) Chloromethane	2.13	50	39649	19.827	ug/l	96
4) Vinyl Chloride	2.27	62	40084	19.706	ug/l	99
5) Bromomethane	2.66	94	28481	20.522	ug/l	95
6) Chloroethane	2.81	64	26212	20.514	ug/l	100
7) Trichlorofluoromethane	3.15	101	57084	20.693	ug/l	95
8) Diethyl Ether	3.56	74	22823	20.991	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	37242	20.989	ug/l	99
10) Methyl Iodide	4.13	142	40144	19.564	ug/l	99
11) Tert butyl alcohol	4.99	59	28337	149.673	ug/l	95
12) 1,1-Dichloroethene	3.91	96	36900	20.654	ug/l	97
13) Acrolein	3.75	56	18868	78.270	ug/l	98
14) Allyl chloride	4.52	41	65481	20.675	ug/l	98
15) Acrylonitrile	5.20	53	61599	106.022	ug/l	98
16) Acetone	3.98	43	49000	98.070	ug/l	100
17) Carbon Disulfide	4.22	76	113380	18.879	ug/l	99
18) Methyl Acetate	4.52	43	26786	20.865	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	100871	20.835	ug/l	98
20) Methylene Chloride	4.75	84	46782	21.847	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	41533	20.482	ug/l	96
22) Diisopropyl ether	6.16	45	140403	21.626	ug/l	99
23) Vinyl Acetate	6.10	43	441108	103.641	ug/l	98
24) 1,1-Dichloroethane	6.06	63	73812	20.995	ug/l	98
25) 2-Butanone	7.02	43	78314	103.069	ug/l	96
26) 2,2-Dichloropropane	7.02	77	62462	21.646	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47057	21.333	ug/l	99
28) Bromochloromethane	7.36	49	33356	21.049	ug/l	99
29) Tetrahydrofuran	7.38	42	51670	102.404	ug/l	99
30) Chloroform	7.54	83	70434	21.323	ug/l	96
31) Cyclohexane	7.82	56	74767	19.834	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	58878	21.149	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57568	20.787	ug/l	98
37) Ethyl Acetate	7.11	43	33814	21.008	ug/l	98
38) Carbon Tetrachloride	7.93	117	50075	21.166	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	76222	20.751	ug/l	98
40) Benzene	8.19	78	171749	20.923	ug/l	99
41) Methacrylonitrile	7.34	41	13251m	18.293	ug/l	
42) 1,2-Dichloroethane	8.26	62	45429	21.477	ug/l	99
43) Isopropyl Acetate	8.30	43	63422	20.812	ug/l	99
44) Trichloroethene	8.96	130	42445	21.231	ug/l	99
45) 1,2-Dichloropropane	9.24	63	44478	21.555	ug/l	96
46) Dibromomethane	9.33	93	21901	20.596	ug/l	98
47) Bromodichloromethane	9.52	83	53406	21.590	ug/l	98
48) Methyl methacrylate	9.31	41	29407	21.747	ug/l	98
49) 1,4-Dioxane	9.33	88	6205	425.848	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	177074	112.811	ug/l	100
52) Toluene	10.26	92	105452	21.147	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	56614	21.007	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	67579	21.064	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33316	21.408	ug/l	97
56) Ethyl methacrylate	10.53	69	47513	20.829	ug/l	95
57) 1,3-Dichloropropane	10.81	76	57919	20.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	124676	142.533	ug/l	99
59) 2-Hexanone	10.85	43	114369	102.084	ug/l	100
60) Dibromochloromethane	11.00	129	35226	21.481	ug/l	99
61) 1,2-Dibromoethane	11.11	107	30849	20.927	ug/l	100
64) Tetrachloroethene	10.74	164	35116	21.951	ug/l	98
65) Chlorobenzene	11.53	112	108020	21.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	36966	22.178	ug/l	99
67) Ethyl Benzene	11.61	91	201201	21.225	ug/l	99
68) m/p-Xylenes	11.72	106	150540	42.955	ug/l	100
69) o-Xylene	12.05	106	70083	21.217	ug/l	97
70) Styrene	12.06	104	122527	21.658	ug/l	99
71) Bromoform	12.22	173	19114	21.145	ug/l #	99
73) Isopropylbenzene	12.34	105	190036	21.175	ug/l	99
74) N-amyl acetate	12.16	43	55603	20.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41014	21.192	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	30910m	22.158	ug/l	
77) Bromobenzene	12.62	156	40712	21.411	ug/l	97
78) n-propylbenzene	12.69	91	236134	21.327	ug/l	100
79) 2-Chlorotoluene	12.77	91	130681	21.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	158609	21.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14781	21.403	ug/l	96
82) 4-Chlorotoluene	12.87	91	138379	21.727	ug/l	100
83) tert-Butylbenzene	13.09	119	132735	21.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	158244	21.582	ug/l	100
85) sec-Butylbenzene	13.27	105	197880	21.877	ug/l	100
86) p-Isopropyltoluene	13.38	119	172099	22.057	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81342	21.831	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	80682	21.344	ug/l	99
89) n-Butylbenzene	13.71	91	175412	21.669	ug/l	98
90) Hexachloroethane	13.97	117	31655	21.505	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	72810	21.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6070	20.099	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46642	21.247	ug/l	98
94) Hexachlorobutadiene	15.12	225	23460	21.920	ug/l	99
95) Naphthalene	15.25	128	105262	20.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40567	20.977	ug/l	99

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

