

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003031.D
 Acq On : 30 Jun 2020 12:55
 Operator : SY/MD
 Sample : VY0630SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBS01

Manual Integrations
 APPROVED

sam
 7/1/2020 10:11:32 PM

Quant Time: Jul 01 06:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	531115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	760967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	683594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	365515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	240772	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.72	113	233585	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.18	98	863194	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.48	95	306783	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	71772	17.844	ug/l	99
3) Chloromethane	2.12	50	99502	16.893	ug/l	96
4) Vinyl Chloride	2.26	62	109395	19.040	ug/l	99
5) Bromomethane	2.65	94	91722	23.512	ug/l	98
6) Chloroethane	2.79	64	75483	20.652	ug/l	94
7) Trichlorofluoromethane	3.13	101	160683	19.815	ug/l	97
8) Diethyl Ether	3.54	74	54049	19.442	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	100863	20.831	ug/l	99
10) Methyl Iodide	4.10	142	120352	20.045	ug/l	98
11) Tert butyl alcohol	4.97	59	50227	93.430	ug/l	99
12) 1,1-Dichloroethene	3.88	96	95290	20.684	ug/l	92
13) Acrolein	3.74	56	45797	94.851	ug/l	99
14) Allyl chloride	4.48	41	149525	18.589	ug/l	97
15) Acrylonitrile	5.18	53	135912	94.860	ug/l	99
16) Acetone	3.96	43	109781	88.241	ug/l	98
17) Carbon Disulfide	4.20	76	289467	19.665	ug/l	99
18) Methyl Acetate	4.49	43	65301	19.482	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	271780	20.238	ug/l	97
20) Methylene Chloride	4.72	84	136783	20.529	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	106908	20.515	ug/l	94
22) Diisopropyl ether	6.13	45	321009	18.620	ug/l	99
23) Vinyl Acetate	6.07	43	1080531	93.746	ug/l	97
24) 1,1-Dichloroethane	6.02	63	184649	19.607	ug/l	99
25) 2-Butanone	7.00	43	183074	92.636	ug/l	96
26) 2,2-Dichloropropane	6.99	77	172087	20.112	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	117176	20.047	ug/l	98
28) Bromochloromethane	7.34	49	71949	17.170	ug/l	89
29) Tetrahydrofuran	7.36	42	124404	94.660	ug/l	96
30) Chloroform	7.51	83	186057	19.942	ug/l	99
31) Cyclohexane	7.78	56	178039	19.190	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	171732	20.165	ug/l	100
36) 1,1-Dichloropropene	7.93	75	147961	20.186	ug/l	98
37) Ethyl Acetate	7.09	43	86063	19.528	ug/l	98
38) Carbon Tetrachloride	7.91	117	156160	20.476	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	188774	20.772	ug/l	98
40) Benzene	8.16	78	408634	20.363	ug/l	99
41) Methacrylonitrile	7.33	41	48066m	20.417	ug/l	
42) 1,2-Dichloroethane	8.24	62	126948	19.997	ug/l	100
43) Isopropyl Acetate	8.28	43	165542	19.759	ug/l	98
44) Trichloroethene	8.94	130	125317	21.485	ug/l	99
45) 1,2-Dichloropropane	9.22	63	107685	19.946	ug/l	93
46) Dibromomethane	9.31	93	61711	20.466	ug/l	98
47) Bromodichloromethane	9.50	83	149874	20.299	ug/l	99
48) Methyl methacrylate	9.30	41	74783	19.610	ug/l	98
49) 1,4-Dioxane	9.30	88	15544	422.294	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	424724	98.081	ug/l	98
52) Toluene	10.24	92	261750	20.720	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	154985	20.021	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	177732	20.076	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	86837	20.724	ug/l	94
56) Ethyl methacrylate	10.51	69	124215	20.479	ug/l	97
57) 1,3-Dichloropropane	10.79	76	148043	20.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	282408	90.784	ug/l	99
59) 2-Hexanone	10.83	43	300105	99.151	ug/l	98
60) Dibromochloromethane	10.99	129	111719	20.834	ug/l	99
61) 1,2-Dibromoethane	11.09	107	86807	21.014	ug/l	99
64) Tetrachloroethene	10.72	164	125614	21.712	ug/l	99
65) Chlorobenzene	11.52	112	286915	21.286	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	109993	20.901	ug/l	99
67) Ethyl Benzene	11.60	91	516670	20.952	ug/l	100
68) m/p-Xylenes	11.70	106	387637	42.237	ug/l	99
69) o-Xylene	12.03	106	181504	20.987	ug/l	98
70) Styrene	12.04	104	313479	21.217	ug/l	98
71) Bromoform	12.21	173	74954	21.360	ug/l	99
73) Isopropylbenzene	12.33	105	500160	20.908	ug/l	99
74) N-amyl acetate	12.14	43	155696	19.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	102678	21.270	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	78282m	21.640	ug/l	
77) Bromobenzene	12.61	156	129184	21.062	ug/l	96
78) n-propylbenzene	12.67	91	598023	20.787	ug/l	100
79) 2-Chlorotoluene	12.75	91	342128	21.306	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	420386	20.942	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	37956	20.414	ug/l	98
82) 4-Chlorotoluene	12.85	91	363447	21.738	ug/l	99
83) tert-Butylbenzene	13.08	119	369987	20.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	423253	20.925	ug/l	99
85) sec-Butylbenzene	13.25	105	515348	21.212	ug/l	99
86) p-Isopropyltoluene	13.37	119	473998	21.055	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	240759	21.025	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	239850	21.242	ug/l	99
89) n-Butylbenzene	13.70	91	457510	21.241	ug/l	99
90) Hexachloroethane	13.96	117	93157	20.839	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	218162	21.235	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19637	22.979	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	166709	21.837	ug/l	99
94) Hexachlorobutadiene	15.11	225	105552	21.920	ug/l	99
95) Naphthalene	15.23	128	312893	22.439	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	142511	21.498	ug/l	98

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

