

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002911.D
 Acq On : 16 Jun 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 6.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:30 AM

Quant Time: Jun 17 02:45:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	278174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	409686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	384595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	115480	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.72	113	118842	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.18	98	454470	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.48	95	161430	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	83531	43.641	ug/l	97
3) Chloromethane	2.11	50	94319	44.550	ug/l	98
4) Vinyl Chloride	2.26	62	106389	47.543	ug/l	100
5) Bromomethane	2.65	94	77267	46.076	ug/l	97
6) Chloroethane	2.80	64	67881	46.794	ug/l	94
7) Trichlorofluoromethane	3.13	101	190714	48.120	ug/l	100
8) Diethyl Ether	3.54	74	72340	46.745	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	118504	50.360	ug/l	97
10) Methyl Iodide	4.10	142	156172	47.430	ug/l	100
11) Tert butyl alcohol	4.97	59	65505	252.459	ug/l	99
12) 1,1-Dichloroethene	3.88	96	114428	48.354	ug/l	96
13) Acrolein	3.74	56	55325	195.461	ug/l	99
14) Allyl chloride	4.49	41	167689	49.407	ug/l	99
15) Acrylonitrile	5.18	53	179424	257.000	ug/l	98
16) Acetone	3.96	43	156586	276.476	ug/l	99
17) Carbon Disulfide	4.20	76	304530	42.585	ug/l	100
18) Methyl Acetate	4.49	43	74950	52.793	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	337876	51.718	ug/l	97
20) Methylene Chloride	4.72	84	133741	48.321	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	127709	47.987	ug/l	99
22) Diisopropyl ether	6.13	45	359797	51.013	ug/l	97
23) Vinyl Acetate	6.07	43	1208521	259.529	ug/l	100
24) 1,1-Dichloroethane	6.03	63	211141	51.175	ug/l	99
25) 2-Butanone	6.99	43	226009	256.132	ug/l	100
26) 2,2-Dichloropropane	6.99	77	199216	50.346	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	147872	49.634	ug/l	99
28) Bromochloromethane	7.34	49	82734	48.847	ug/l	100
29) Tetrahydrofuran	7.35	42	142723	248.662	ug/l	98
30) Chloroform	7.52	83	227523	51.968	ug/l	97
31) Cyclohexane	7.79	56	183196	44.721	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	205988	50.490	ug/l	99
36) 1,1-Dichloropropene	7.92	75	170266	49.337	ug/l	100
37) Ethyl Acetate	7.08	43	97661	52.012	ug/l	100
38) Carbon Tetrachloride	7.91	117	195336	50.951	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	215777	47.435	ug/l	98
40) Benzene	8.16	78	508569	49.873	ug/l	99
41) Methacrylonitrile	7.32	41	52437m	51.984	ug/l	
42) 1,2-Dichloroethane	8.24	62	144581	50.591	ug/l	99
43) Isopropyl Acetate	8.28	43	184192	51.766	ug/l	99
44) Trichloroethene	8.94	130	158902	49.333	ug/l	97
45) 1,2-Dichloropropane	9.22	63	125292	51.235	ug/l	100
46) Dibromomethane	9.31	93	74060	50.995	ug/l	99
47) Bromodichloromethane	9.50	83	179351	52.384	ug/l	99
48) Methyl methacrylate	9.30	41	82001	51.051	ug/l	99
49) 1,4-Dioxane	9.31	88	21667	971.631	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	493087	261.704	ug/l	100
52) Toluene	10.25	92	335148	50.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	195022	52.151	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	217517	51.333	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	113635	51.108	ug/l	97
56) Ethyl methacrylate	10.51	69	154993	52.045	ug/l	99
57) 1,3-Dichloropropane	10.79	76	188021	51.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	365840	251.407	ug/l	100
59) 2-Hexanone	10.83	43	352966	264.029	ug/l	99
60) Dibromochloromethane	10.99	129	149852	53.160	ug/l	100
61) 1,2-Dibromoethane	11.09	107	112663	51.367	ug/l	100
64) Tetrachloroethene	10.72	164	165284	47.286	ug/l	98
65) Chlorobenzene	11.52	112	380695	50.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	148343	51.816	ug/l	99
67) Ethyl Benzene	11.59	91	663150	50.322	ug/l	99
68) m/p-Xylenes	11.70	106	512411	100.288	ug/l	100
69) o-Xylene	12.03	106	244235	50.635	ug/l	99
70) Styrene	12.05	104	426042	50.952	ug/l	99
71) Bromoform	12.21	173	102514	53.514	ug/l	100
73) Isopropylbenzene	12.33	105	668490	50.124	ug/l	100
74) N-amyl acetate	12.14	43	172502	50.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	125659	53.701	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	99664m	53.148	ug/l	
77) Bromobenzene	12.61	156	173128	49.855	ug/l	100
78) n-propylbenzene	12.67	91	776427	50.400	ug/l	99
79) 2-Chlorotoluene	12.76	91	428768	49.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	564623	50.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50565	50.802	ug/l	98
82) 4-Chlorotoluene	12.86	91	452709	50.001	ug/l	100
83) tert-Butylbenzene	13.08	119	501308	50.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	561494	50.148	ug/l	99
85) sec-Butylbenzene	13.25	105	687120	50.593	ug/l	100
86) p-Isopropyltoluene	13.37	119	638682	50.539	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	327301	49.757	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	329853	50.128	ug/l	99
89) n-Butylbenzene	13.70	91	573885	50.018	ug/l	100
90) Hexachloroethane	13.96	117	120288	50.843	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	303006	50.793	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22887	50.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	217907	48.461	ug/l	100
94) Hexachlorobutadiene	15.11	225	125318	49.138	ug/l	99
95) Naphthalene	15.23	128	434210	48.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	193406	48.167	ug/l	98

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

