

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002901.D
 Acq On : 16 Jun 2020 11:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 02:22:39 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	277792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	403260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	374281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	115515	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.72	113	118475	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.18	98	463388	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.48	95	165120	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	85519	44.741	ug/l	97
3) Chloromethane	2.12	50	97353	46.046	ug/l	98
4) Vinyl Chloride	2.26	62	109076	48.811	ug/l	100
5) Bromomethane	2.65	94	73570	43.932	ug/l	100
6) Chloroethane	2.80	64	67625	46.681	ug/l	100
7) Trichlorofluoromethane	3.13	101	194775	49.213	ug/l	99
8) Diethyl Ether	3.54	74	68658	44.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	117615	50.051	ug/l	97
10) Methyl Iodide	4.10	142	158466	48.193	ug/l	98
11) Tert butyl alcohol	4.98	59	54537	208.239	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	115187	48.741	ug/l	98
13) Acrolein	3.74	56	56889	201.263	ug/l	99
14) Allyl chloride	4.49	41	161201	47.560	ug/l	98
15) Acrylonitrile	5.18	53	167972	240.928	ug/l	100
16) Acetone	3.96	43	169696	300.036	ug/l	98
17) Carbon Disulfide	4.20	76	306535	42.924	ug/l	97
18) Methyl Acetate	4.49	43	68723	48.393	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	325168	49.841	ug/l	99
20) Methylene Chloride	4.72	84	132371	47.891	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	125425	47.193	ug/l	97
22) Diisopropyl ether	6.13	45	339504	48.202	ug/l	97
23) Vinyl Acetate	6.07	43	1143428	245.888	ug/l	99
24) 1,1-Dichloroethane	6.03	63	204202	49.561	ug/l	99
25) 2-Butanone	7.00	43	222824	252.869	ug/l	99
26) 2,2-Dichloropropane	6.99	77	195533	49.483	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	144311	48.505	ug/l	99
28) Bromochloromethane	7.34	49	79177	46.812	ug/l	96
29) Tetrahydrofuran	7.36	42	132789	231.673	ug/l	98
30) Chloroform	7.52	83	220654	50.469	ug/l	97
31) Cyclohexane	7.78	56	178423	43.616	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	206710	50.737	ug/l	100
36) 1,1-Dichloropropene	7.92	75	165792	48.806	ug/l	99
37) Ethyl Acetate	7.08	43	89211	48.269	ug/l	99
38) Carbon Tetrachloride	7.91	117	192913	51.121	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	214691	47.949	ug/l	99
40) Benzene	8.16	78	498368	49.651	ug/l	100
41) Methacrylonitrile	7.33	41	54887m	55.279	ug/l	
42) 1,2-Dichloroethane	8.24	62	139563	49.614	ug/l	100
43) Isopropyl Acetate	8.28	43	173490	49.535	ug/l	99
44) Trichloroethene	8.94	130	156525	49.369	ug/l	98
45) 1,2-Dichloropropane	9.22	63	121758	50.584	ug/l	100
46) Dibromomethane	9.31	93	70733	49.480	ug/l	100
47) Bromodichloromethane	9.50	83	175083	51.953	ug/l	99
48) Methyl methacrylate	9.30	41	77207	48.832	ug/l	100
49) 1,4-Dioxane	9.31	88	20007	911.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	468850	252.805	ug/l	100
52) Toluene	10.24	92	329062	50.115	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	190300	51.699	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	212491	50.946	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	110078	50.297	ug/l	99
56) Ethyl methacrylate	10.51	69	149608	51.037	ug/l	99
57) 1,3-Dichloropropane	10.79	76	179103	49.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	354559	247.537	ug/l	99
59) 2-Hexanone	10.83	43	343326	260.911	ug/l	100
60) Dibromochloromethane	10.99	129	143730	51.801	ug/l	99
61) 1,2-Dibromoethane	11.09	107	108120	50.081	ug/l	99
64) Tetrachloroethene	10.72	164	163513	48.068	ug/l	99
65) Chlorobenzene	11.52	112	375503	50.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	144343	51.808	ug/l	99
67) Ethyl Benzene	11.60	91	652408	50.871	ug/l	100
68) m/p-Xylenes	11.70	106	507052	101.973	ug/l	99
69) o-Xylene	12.03	106	242197	51.596	ug/l	99
70) Styrene	12.04	104	423840	52.085	ug/l	100
71) Bromoform	12.21	173	99299	53.264	ug/l #	100
73) Isopropylbenzene	12.33	105	666693	49.736	ug/l	100
74) N-amyl acetate	12.14	43	165029	47.982	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	120444	51.211	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	95837m	50.848	ug/l	
77) Bromobenzene	12.61	156	169600	48.591	ug/l	99
78) n-propylbenzene	12.67	91	758972	49.017	ug/l	99
79) 2-Chlorotoluene	12.75	91	426497	49.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	558968	49.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	49426	49.406	ug/l	99
82) 4-Chlorotoluene	12.86	91	444631	48.860	ug/l	99
83) tert-Butylbenzene	13.08	119	497256	49.808	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	565427	50.243	ug/l	100
85) sec-Butylbenzene	13.25	105	682289	49.982	ug/l	100
86) p-Isopropyltoluene	13.37	119	639204	50.324	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	327278	49.502	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	330393	49.956	ug/l	99
89) n-Butylbenzene	13.70	91	576347	49.978	ug/l	99
90) Hexachloroethane	13.96	117	120172	50.537	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	301608	50.302	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22902	50.613	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	225236	49.837	ug/l	99
94) Hexachlorobutadiene	15.11	225	129657	50.582	ug/l	99
95) Naphthalene	15.23	128	451323	49.806	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	200438	49.665	ug/l	99

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

