

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002913.D
 Acq On : 18 Jun 2020 11:15
 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
 6/19/2020 1:12:08 PM

Quant Time: Jun 19 05:13:58 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	272511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	391311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	364007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204767	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	112141	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.72	113	116563	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.18	98	446621	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.48	95	160841	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	80929	43.160	ug/l	99
3) Chloromethane	2.12	50	94248	45.442	ug/l	98
4) Vinyl Chloride	2.26	62	102375	46.700	ug/l	98
5) Bromomethane	2.65	94	73065	44.475	ug/l	95
6) Chloroethane	2.80	64	63430	44.634	ug/l	97
7) Trichlorofluoromethane	3.13	101	181094	46.643	ug/l	99
8) Diethyl Ether	3.54	74	64640	42.638	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	110012	47.723	ug/l	96
10) Methyl Iodide	4.10	142	149095	46.222	ug/l	99
11) Tert butyl alcohol	4.97	59	61272	240.444	ug/l	98
12) 1,1-Dichloroethene	3.88	96	107874	46.531	ug/l	99
13) Acrolein	3.74	56	53521	193.017	ug/l	98
14) Allyl chloride	4.49	41	153672	46.218	ug/l	98
15) Acrylonitrile	5.18	53	162634	237.792	ug/l	100
16) Acetone	3.96	43	167614	302.098	ug/l	98
17) Carbon Disulfide	4.20	76	280541	40.046	ug/l	99
18) Methyl Acetate	4.49	43	67249	48.270	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	303743	47.459	ug/l	99
20) Methylene Chloride	4.72	84	136502	50.343	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	119147	45.700	ug/l	98
22) Diisopropyl ether	6.13	45	322686	46.702	ug/l	94
23) Vinyl Acetate	6.07	43	1078465	236.412	ug/l	99
24) 1,1-Dichloroethane	6.02	63	191298	47.329	ug/l	99
25) 2-Butanone	6.99	43	213866	247.407	ug/l	98
26) 2,2-Dichloropropane	6.99	77	186189	48.031	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	136671	46.827	ug/l	99
28) Bromochloromethane	7.34	49	74140	44.683	ug/l	99
29) Tetrahydrofuran	7.35	42	129206	229.790	ug/l	97
30) Chloroform	7.51	83	208179	48.538	ug/l	97
31) Cyclohexane	7.78	56	169391	42.210	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	195898	49.015	ug/l	100
36) 1,1-Dichloropropene	7.92	75	156205	47.388	ug/l	99
37) Ethyl Acetate	7.08	43	85702	47.786	ug/l	99
38) Carbon Tetrachloride	7.91	117	183091	49.999	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	198593	45.708	ug/l	99
40) Benzene	8.16	78	468779	48.130	ug/l	100
41) Methacrylonitrile	7.33	41	55223m	57.316	ug/l	
42) 1,2-Dichloroethane	8.24	62	133813	49.022	ug/l	99
43) Isopropyl Acetate	8.28	43	162497	47.813	ug/l	99
44) Trichloroethene	8.94	130	147451	47.927	ug/l	96
45) 1,2-Dichloropropane	9.22	63	113050	48.400	ug/l	97
46) Dibromomethane	9.31	93	67581	48.719	ug/l	100
47) Bromodichloromethane	9.50	83	165350	50.563	ug/l	99
48) Methyl methacrylate	9.30	41	73507	47.912	ug/l	98
49) 1,4-Dioxane	9.31	88	20306	953.358	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	440924	245.007	ug/l	100
52) Toluene	10.24	92	309721	48.609	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	178086	49.858	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	198815	49.122	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	103903	48.925	ug/l	96
56) Ethyl methacrylate	10.51	69	141525	49.754	ug/l	98
57) 1,3-Dichloropropane	10.79	76	172079	49.264	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	345339	248.462	ug/l	98
59) 2-Hexanone	10.83	43	325722	255.091	ug/l	100
60) Dibromochloromethane	10.99	129	136124	50.557	ug/l	99
61) 1,2-Dibromoethane	11.09	107	102312	48.838	ug/l	99
64) Tetrachloroethene	10.72	164	154259	46.628	ug/l	99
65) Chlorobenzene	11.52	112	353395	49.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	138137	50.980	ug/l	99
67) Ethyl Benzene	11.60	91	619135	49.639	ug/l	99
68) m/p-Xylenes	11.70	106	478816	99.013	ug/l	100
69) o-Xylene	12.03	106	230207	50.426	ug/l	99
70) Styrene	12.05	104	399535	50.484	ug/l	100
71) Bromoform	12.20	173	94358	52.043	ug/l	100
73) Isopropylbenzene	12.33	105	629829	47.997	ug/l	99
74) N-amyl acetate	12.14	43	159499	47.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	115541	50.183	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	90804m	49.214	ug/l	
77) Bromobenzene	12.61	156	164157	48.043	ug/l	98
78) n-propylbenzene	12.67	91	733751	48.407	ug/l	100
79) 2-Chlorotoluene	12.75	91	406177	47.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	534733	48.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	47965	48.977	ug/l #	73
82) 4-Chlorotoluene	12.85	91	428736	48.127	ug/l	100
83) tert-Butylbenzene	13.08	119	479090	49.020	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	536372	48.686	ug/l	100
85) sec-Butylbenzene	13.25	105	651751	48.772	ug/l	100
86) p-Isopropyltoluene	13.37	119	621175	49.956	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	312887	48.343	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	312209	48.222	ug/l	99
89) n-Butylbenzene	13.70	91	555196	49.180	ug/l	99
90) Hexachloroethane	13.96	117	116151	49.896	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	284618	48.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21909	49.460	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	217871	49.245	ug/l	100
94) Hexachlorobutadiene	15.11	225	128321	51.137	ug/l	99
95) Naphthalene	15.23	128	432112	48.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	194238	49.164	ug/l	99

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

