

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002427.D
 Acq On : 21 Apr 2020 11:28
 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
 4/22/2020 11:44:20 AM

Quant Time: Apr 21 15:58:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	431841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	380891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	189356	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	96590	46.95	ug/l	0.00
Spiked Amount						
			Recovery	=	93.90%	
35) Dibromofluoromethane	7.73	113	110737	48.75	ug/l	-0.01
Spiked Amount						
			Recovery	=	97.50%	
50) Toluene-d8	10.19	98	442981	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.49	95	145092	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	100508	52.002	ug/l	99
3) Chloromethane	2.12	50	115628	49.002	ug/l	99
4) Vinyl Chloride	2.26	62	127905	50.314	ug/l	97
5) Bromomethane	2.66	94	78740	47.765	ug/l	99
6) Chloroethane	2.80	64	68795	45.837	ug/l	100
7) Trichlorofluoromethane	3.13	101	190298	48.097	ug/l	100
8) Diethyl Ether	3.54	74	73528	47.086	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	125192	48.373	ug/l	100
10) Methyl Iodide	4.10	142	178481	51.143	ug/l	99
11) Tert butyl alcohol	4.97	59	55965	227.595	ug/l	100
12) 1,1-Dichloroethene	3.88	96	130128	48.442	ug/l	97
13) Acrolein	3.74	56	72050	298.151	ug/l	99
14) Allyl chloride	4.49	41	157234	47.592	ug/l	100
15) Acrylonitrile	5.18	53	167360	239.127	ug/l	99
16) Acetone	3.96	43	167307	304.285	ug/l	97
17) Carbon Disulfide	4.20	76	401401	49.041	ug/l	99
18) Methyl Acetate	4.49	43	73109	46.519	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	300141	47.574	ug/l	99
20) Methylene Chloride	4.72	84	139177	45.235	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	137930	47.447	ug/l	97
22) Diisopropyl ether	6.13	45	305257	46.084	ug/l	97
23) Vinyl Acetate	6.07	43	998084	239.218	ug/l	99
24) 1,1-Dichloroethane	6.03	63	197710	47.066	ug/l	99
25) 2-Butanone	7.00	43	203542	259.702	ug/l	100
26) 2,2-Dichloropropane	7.00	77	177085	48.157	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	149414	47.392	ug/l	100
28) Bromochloromethane	7.35	49	72017	44.993	ug/l	97
29) Tetrahydrofuran	7.36	42	119201	237.134	ug/l	99
30) Chloroform	7.52	83	202601	46.735	ug/l	97
31) Cyclohexane	7.79	56	195003	45.800	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	183421	47.906	ug/l	99
36) 1,1-Dichloropropene	7.93	75	167409	48.179	ug/l	99
37) Ethyl Acetate	7.09	43	78954	48.590	ug/l	99
38) Carbon Tetrachloride	7.91	117	169790	48.511	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	235332	49.054	ug/l	99
40) Benzene	8.17	78	509324	47.625	ug/l	98
41) Methacrylonitrile	7.34	41	51597m	59.624	ug/l	
42) 1,2-Dichloroethane	8.25	62	119064	47.253	ug/l	98
43) Isopropyl Acetate	8.28	43	146910	48.216	ug/l	100
44) Trichloroethene	8.95	130	172976	48.378	ug/l	98
45) 1,2-Dichloropropane	9.22	63	115108	47.121	ug/l	99
46) Dibromomethane	9.32	93	68701	48.187	ug/l	99
47) Bromodichloromethane	9.50	83	153878	47.572	ug/l	97
48) Methyl methacrylate	9.30	41	64609	47.489	ug/l	96
49) 1,4-Dioxane	9.31	88	19108	909.085	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	394355	249.189	ug/l	100
52) Toluene	10.25	92	320540	47.359	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	165182	47.747	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	200214	48.659	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	102257	47.819	ug/l	95
56) Ethyl methacrylate	10.52	69	136407	49.525	ug/l	99
57) 1,3-Dichloropropane	10.80	76	167770	47.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	338531	248.117	ug/l	100
59) 2-Hexanone	10.84	43	289499	257.748	ug/l	99
60) Dibromochloromethane	10.99	129	125366	48.674	ug/l	99
61) 1,2-Dibromoethane	11.10	107	101548	48.673	ug/l	98
64) Tetrachloroethene	10.72	164	193387	47.590	ug/l	99
65) Chlorobenzene	11.52	112	351925	48.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	125628	48.734	ug/l	99
67) Ethyl Benzene	11.60	91	614438	48.620	ug/l	100
68) m/p-Xylenes	11.70	106	476998	97.668	ug/l	100
69) o-Xylene	12.03	106	223128	48.493	ug/l	98
70) Styrene	12.05	104	382917	48.613	ug/l	99
71) Bromoform	12.21	173	79179	50.194	ug/l #	99
73) Isopropylbenzene	12.33	105	601064	48.367	ug/l	100
74) N-amyl acetate	12.15	43	133959	49.314	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	77367	50.568	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	78430m	47.015	ug/l	
77) Bromobenzene	12.61	156	148984	47.587	ug/l	99
78) n-propylbenzene	12.67	91	702453	47.853	ug/l	100
79) 2-Chlorotoluene	12.76	91	381614	47.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	492655	48.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	42409	49.546	ug/l	99
82) 4-Chlorotoluene	12.86	91	397921	47.237	ug/l #	100
83) tert-Butylbenzene	13.08	119	428497	48.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	490531	47.787	ug/l	99
85) sec-Butylbenzene	13.26	105	607468	47.993	ug/l	99
86) p-Isopropyltoluene	13.38	119	553944	48.253	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	278526	47.827	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	278602	47.265	ug/l	100
89) n-Butylbenzene	13.70	91	518793	48.471	ug/l	99
90) Hexachloroethane	13.97	117	103378	48.031	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	253214	47.500	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16538	47.355	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	178685	46.793	ug/l	99
94) Hexachlorobutadiene	15.12	225	96959	46.302	ug/l	100
95) Naphthalene	15.25	128	352536	47.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	152136	45.895	ug/l	99

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

