

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002241.D
 Acq On : 06 Apr 2020 16:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:28 PM

Quant Time: Apr 07 05:23:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	159788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	293947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	264878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	80532	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	7.73	113	79575	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.19	98	326740	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.49	95	112647	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	42151	39.439	ug/l	93
3) Chloromethane	2.12	50	70789	37.909	ug/l	98
4) Vinyl Chloride	2.26	62	75211	39.602	ug/l	99
5) Bromomethane	2.66	94	53171	42.901	ug/l	97
6) Chloroethane	2.80	64	51271	42.044	ug/l	97
7) Trichlorofluoromethane	3.14	101	107652	41.365	ug/l	99
8) Diethyl Ether	3.55	74	47683	43.258	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	73702	43.164	ug/l	99
10) Methyl Iodide	4.10	142	87941	43.313	ug/l	99
11) Tert butyl alcohol	4.97	59	38042	182.753	ug/l	99
12) 1,1-Dichloroethene	3.88	96	76596	44.177	ug/l	94
13) Acrolein	3.74	56	56743	218.100	ug/l	98
14) Allyl chloride	4.50	41	133910	42.189	ug/l	98
15) Acrylonitrile	5.19	53	127923	221.413	ug/l	100
16) Acetone	3.96	43	89309	179.960	ug/l	94
17) Carbon Disulfide	4.21	76	237790	41.326	ug/l	100
18) Methyl Acetate	4.50	43	54473	42.270	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	217315	44.929	ug/l	98
20) Methylene Chloride	4.74	84	92105	44.237	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	86905	44.022	ug/l	99
22) Diisopropyl ether	6.14	45	280154	43.129	ug/l	94
23) Vinyl Acetate	6.08	43	910064	213.658	ug/l	97
24) 1,1-Dichloroethane	6.04	63	153009	44.303	ug/l	97
25) 2-Butanone	7.00	43	153428	201.342	ug/l	95
26) 2,2-Dichloropropane	7.00	77	122852	43.190	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	98414	45.314	ug/l	98
28) Bromochloromethane	7.35	49	76640	48.607	ug/l	95
29) Tetrahydrofuran	7.36	42	104397	208.956	ug/l	97
30) Chloroform	7.52	83	145148	44.339	ug/l	99
31) Cyclohexane	7.80	56	150257	40.829	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	120189	43.973	ug/l	98
36) 1,1-Dichloropropene	7.93	75	118653	42.676	ug/l	98
37) Ethyl Acetate	7.09	43	68504	40.772	ug/l	98
38) Carbon Tetrachloride	7.91	117	103763	43.988	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	156422	42.891	ug/l	97
40) Benzene	8.18	78	365378	44.365	ug/l	99
41) Methacrylonitrile	7.33	41	34403m	40.480	ug/l	
42) 1,2-Dichloroethane	8.25	62	91310	41.761	ug/l	99
43) Isopropyl Acetate	8.28	43	129906	41.657	ug/l	98
44) Trichloroethene	8.95	130	110545	55.684	ug/l	97
45) 1,2-Dichloropropane	9.22	63	94823	45.219	ug/l	97
46) Dibromomethane	9.32	93	47471	44.080	ug/l	97
47) Bromodichloromethane	9.50	83	113881	45.425	ug/l	99
48) Methyl methacrylate	9.30	41	58354	41.757	ug/l	97
49) 1,4-Dioxane	9.30	88	13499	913.450	ug/l	86
51) 4-Methyl-2-Pentanone	10.08	43	337012	209.878	ug/l	98
52) Toluene	10.25	92	223455	44.860	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	123557	44.403	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	146792	44.806	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	70340	44.131	ug/l	97
56) Ethyl methacrylate	10.52	69	103582	44.494	ug/l	96
57) 1,3-Dichloropropane	10.80	76	125129	44.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	291016	243.279	ug/l	99
59) 2-Hexanone	10.83	43	233105	206.083	ug/l	96
60) Dibromochloromethane	10.99	129	76429	45.824	ug/l	97
61) 1,2-Dibromoethane	11.10	107	66434	44.531	ug/l	100
64) Tetrachloroethene	10.72	164	114452	70.624	ug/l	99
65) Chlorobenzene	11.52	112	229960	44.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	78092	45.653	ug/l	98
67) Ethyl Benzene	11.60	91	428219	45.094	ug/l	98
68) m/p-Xylenes	11.71	106	316803	90.229	ug/l	98
69) o-Xylene	12.03	106	151291	45.424	ug/l	97
70) Styrene	12.05	104	264023	45.747	ug/l	100
71) Bromoform	12.21	173	43234	46.147	ug/l #	99
73) Isopropylbenzene	12.33	105	404974	44.981	ug/l	100
74) N-amyl acetate	12.14	43	116944	41.184	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	37138	19.169	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	53113m	39.122	ug/l	
77) Bromobenzene	12.61	156	87324	45.436	ug/l	96
78) n-propylbenzene	12.67	91	498501	44.618	ug/l	99
79) 2-Chlorotoluene	12.76	91	273156	44.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	334053	44.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30928	44.135	ug/l	98
82) 4-Chlorotoluene	12.86	91	281911	43.611	ug/l	98
83) tert-Butylbenzene	13.08	119	279219	45.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	336322	45.381	ug/l	100
85) sec-Butylbenzene	13.26	105	414279	45.111	ug/l	100
86) p-Isopropyltoluene	13.38	119	358756	45.491	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	168593	44.841	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	169648	44.839	ug/l	99
89) n-Butylbenzene	13.70	91	362706	44.141	ug/l	99
90) Hexachloroethane	13.96	117	66690	44.878	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	155608	44.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11406	36.754	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	98208	43.883	ug/l	99
94) Hexachlorobutadiene	15.12	225	49222	44.557	ug/l	98
95) Naphthalene	15.24	128	222934	41.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	86071	42.411	ug/l	99

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

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