

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\
 Data File : VY001952.D
 Acq On : 12 Mar 2020 10:11
 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
 3/16/2020 11:42:30 AM

Quant Time: Mar 13 05:57:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	195083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	346708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	101145	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.74	113	96625	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.19	98	392089	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.49	95	137404	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	79778	44.303	ug/l 96
3) Chloromethane	2.12	50	110959	45.703	ug/l 98
4) Vinyl Chloride	2.26	62	118851	48.127	ug/l 99
5) Bromomethane	2.66	94	75842	52.924	ug/l 96
6) Chloroethane	2.81	64	76337	49.209	ug/l 97
7) Trichlorofluoromethane	3.15	101	164021	48.974	ug/l 98
8) Diethyl Ether	3.55	74	67990	51.508	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.92	101	104953	48.722	ug/l 99
10) Methyl Iodide	4.11	142	132034	53.002	ug/l 99
11) Tert butyl alcohol	4.98	59	55551	256.942	ug/l 98
12) 1,1-Dichloroethene	3.89	96	107765	49.685	ug/l 99
13) Acrolein	3.75	56	75061	256.478	ug/l 96
14) Allyl chloride	4.50	41	183243	47.655	ug/l 98
15) Acrylonitrile	5.19	53	164552	233.288	ug/l 99
16) Acetone	3.97	43	167839	276.693	ug/l 97
17) Carbon Disulfide	4.21	76	334457	45.871	ug/l 99
18) Methyl Acetate	4.50	43	71261	45.722	ug/l 98
19) Methyl tert-butyl Ether	5.25	73	302198	51.414	ug/l 99
20) Methylene Chloride	4.74	84	121274	46.649	ug/l 98
21) trans-1,2-Dichloroethene	5.25	96	120813	49.074	ug/l 95
22) Diisopropyl ether	6.14	45	369604	46.893	ug/l 94
23) Vinyl Acetate	6.09	43	1218704	235.857	ug/l 96
24) 1,1-Dichloroethane	6.05	63	205450	48.134	ug/l 99
25) 2-Butanone	7.01	43	226223	245.239	ug/l 100
26) 2,2-Dichloropropane	7.01	77	181965	51.941	ug/l 99
27) cis-1,2-Dichloroethene	7.01	96	134272	50.140	ug/l 98
28) Bromochloromethane	7.36	49	91684	47.655	ug/l 94
29) Tetrahydrofuran	7.37	42	135447	221.112	ug/l 96
30) Chloroform	7.53	83	201734	50.305	ug/l 100
31) Cyclohexane	7.80	56	198070	43.279	ug/l 97
32) 1,1,1-Trichloroethane	7.72	97	172940	51.167	ug/l 98
36) 1,1-Dichloropropene	7.94	75	163907	49.127	ug/l 98
37) Ethyl Acetate	7.10	43	93565	48.252	ug/l 96
38) Carbon Tetrachloride	7.92	117	148181	51.991	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	211763	47.855	ug/l	98
40) Benzene	8.18	78	482247	48.766	ug/l	98
41) Methacrylonitrile	7.33	41	40423m	46.321	ug/l	
42) 1,2-Dichloroethane	8.26	62	130512	51.217	ug/l	99
43) Isopropyl Acetate	8.29	43	177010	48.215	ug/l	99
44) Trichloroethene	8.96	130	121859	50.597	ug/l	98
45) 1,2-Dichloropropane	9.24	63	121567	48.902	ug/l	99
46) Dibromomethane	9.33	93	64767	50.557	ug/l	99
47) Bromodichloromethane	9.52	83	156792	52.615	ug/l	100
48) Methyl methacrylate	9.31	41	79580	48.850	ug/l	95
49) 1,4-Dioxane	9.31	88	15453	880.327	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	452013	239.037	ug/l	98
52) Toluene	10.26	92	298904	49.756	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	169813	52.304	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	198779	51.431	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	94779	50.554	ug/l	98
56) Ethyl methacrylate	10.52	69	138911	50.549	ug/l	99
57) 1,3-Dichloropropane	10.81	76	163638	48.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	231530	239.688	ug/l	97
59) 2-Hexanone	10.84	43	328706	243.542	ug/l	97
60) Dibromochloromethane	11.00	129	104913	53.106	ug/l	100
61) 1,2-Dibromoethane	11.10	107	90652	51.045	ug/l	100
64) Tetrachloroethene	10.74	164	96555	50.209	ug/l	98
65) Chlorobenzene	11.53	112	306171	50.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	106248	53.026	ug/l	99
67) Ethyl Benzene	11.61	91	564721	49.557	ug/l	99
68) m/p-Xylenes	11.72	106	422433	100.269	ug/l	99
69) o-Xylene	12.04	106	199925	50.348	ug/l	100
70) Styrene	12.06	104	347277	51.063	ug/l	100
71) Bromoform	12.22	173	59778	55.011	ug/l #	99
73) Isopropylbenzene	12.34	105	531219	51.066	ug/l	100
74) N-amyl acetate	12.16	43	155626	48.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	113262	50.489	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	81766m	50.568	ug/l	
77) Bromobenzene	12.62	156	114909	52.137	ug/l	97
78) n-propylbenzene	12.69	91	644775	50.240	ug/l	99
79) 2-Chlorotoluene	12.77	91	360856	50.893	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	436509	50.971	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	42316	52.862	ug/l	98
82) 4-Chlorotoluene	12.87	91	375027	50.799	ug/l	99
83) tert-Butylbenzene	13.09	119	368769	51.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	433537	51.011	ug/l	99
85) sec-Butylbenzene	13.27	105	529740	50.526	ug/l	99
86) p-Isopropyltoluene	13.38	119	457837	50.622	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	220703	51.101	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	218621	49.896	ug/l	99
89) n-Butylbenzene	13.71	91	461231	49.154	ug/l	99
90) Hexachloroethane	13.97	117	87560	51.319	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	197801	50.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17738	50.672	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	123058	48.361	ug/l	97
94) Hexachlorobutadiene	15.12	225	60484	48.755	ug/l	99
95) Naphthalene	15.25	128	297812	49.342	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	108241	48.287	ug/l	99

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

