

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002672.D
 Acq On : 13 May 2020 10:10
 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
 5/14/2020 12:17:08 PM

Quant Time: May 14 03:04:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	359984	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	529601	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	470265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240642	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	134662	44.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.98%	
35) Dibromofluoromethane	7.72	113	148767	49.12	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.18	98	587131	49.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.48	95	199857	49.80	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	153757	51.631	ug/l	97
3) Chloromethane	2.12	50	165506	56.748	ug/l	100
4) Vinyl Chloride	2.26	62	188086	55.850	ug/l	100
5) Bromomethane	2.66	94	121479	52.307	ug/l	100
6) Chloroethane	2.80	64	106403	52.914	ug/l	98
7) Trichlorofluoromethane	3.13	101	272704	52.248	ug/l	98
8) Diethyl Ether	3.54	74	88972	50.726	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	168029	52.674	ug/l	97
10) Methyl Iodide	4.10	142	232450	53.486	ug/l	98
11) Tert butyl alcohol	4.96	59	61248	196.682	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	164731	53.157	ug/l	96
13) Acrolein	3.74	56	44475	206.535	ug/l	97
14) Allyl chloride	4.49	41	242686	53.749	ug/l	97
15) Acrylonitrile	5.18	53	191606	231.647	ug/l	100
16) Acetone	3.95	43	125288	200.567	ug/l	97
17) Carbon Disulfide	4.20	76	491648	52.736	ug/l	98
18) Methyl Acetate	4.49	43	94053	45.062	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	394916	48.845	ug/l	96
20) Methylene Chloride	4.72	84	171472	49.087	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	181174	53.490	ug/l	95
22) Diisopropyl ether	6.13	45	483699	52.945	ug/l	96
23) Vinyl Acetate	6.07	43	1410917	245.567	ug/l	99
24) 1,1-Dichloroethane	6.03	63	287492	53.192	ug/l	99
25) 2-Butanone	7.00	43	215098	210.356	ug/l	97
26) 2,2-Dichloropropane	6.99	77	268321	52.229	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	197906	52.807	ug/l	99
28) Bromochloromethane	7.34	49	117628	53.119	ug/l	99
29) Tetrahydrofuran	7.35	42	155679	230.113	ug/l	100
30) Chloroform	7.52	83	292461	52.042	ug/l	100
31) Cyclohexane	7.79	56	278528	51.197	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	271495	51.977	ug/l	100
36) 1,1-Dichloropropene	7.92	75	237985	53.604	ug/l	99
37) Ethyl Acetate	7.08	43	105813	46.380	ug/l	99
38) Carbon Tetrachloride	7.91	117	255785	52.771	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	314931	53.706	ug/l	97
40) Benzene	8.17	78	683900	53.335	ug/l	99
41) Methacrylonitrile	7.32	41	55804m	45.492	ug/l	
42) 1,2-Dichloroethane	8.24	62	171547	47.695	ug/l	97
43) Isopropyl Acetate	8.28	43	204698	47.859	ug/l	99
44) Trichloroethene	8.94	130	218725	54.581	ug/l	99
45) 1,2-Dichloropropane	9.22	63	162721	52.580	ug/l	100
46) Dibromomethane	9.31	93	86915	48.813	ug/l	97
47) Bromodichloromethane	9.50	83	223786	51.688	ug/l	100
48) Methyl methacrylate	9.30	41	92431	47.751	ug/l	98
49) 1,4-Dioxane	9.30	88	21759	922.952	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	520886	236.276	ug/l	99
52) Toluene	10.25	92	440728	53.481	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	232221	51.192	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	275345	52.505	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	129391	49.831	ug/l	97
56) Ethyl methacrylate	10.51	69	175384	50.773	ug/l	96
57) 1,3-Dichloropropane	10.79	76	219738	49.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	462532	253.913	ug/l	99
59) 2-Hexanone	10.83	43	354780	233.818	ug/l	98
60) Dibromochloromethane	10.99	129	169075	51.196	ug/l	100
61) 1,2-Dibromoethane	11.09	107	126936	49.371	ug/l	99
64) Tetrachloroethene	10.72	164	241913	57.898	ug/l	99
65) Chlorobenzene	11.52	112	484202	54.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	180655	54.439	ug/l	99
67) Ethyl Benzene	11.59	91	868993	55.338	ug/l	99
68) m/p-Xylenes	11.70	106	662092	108.969	ug/l	99
69) o-Xylene	12.03	106	311773	54.803	ug/l	99
70) Styrene	12.05	104	534067	54.914	ug/l	100
71) Bromoform	12.21	173	105790	51.363	ug/l #	100
73) Isopropylbenzene	12.33	105	866318	55.548	ug/l	99
74) N-amyl acetate	12.14	43	192819	51.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	115116	46.412	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	101993m	47.694	ug/l	
77) Bromobenzene	12.61	156	208369	53.476	ug/l	99
78) n-propylbenzene	12.67	91	1008024	55.696	ug/l	100
79) 2-Chlorotoluene	12.76	91	542778	54.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	714778	55.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53775	50.423	ug/l #	73
82) 4-Chlorotoluene	12.86	91	569102	54.041	ug/l	100
83) tert-Butylbenzene	13.08	119	630429	55.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	711146	55.196	ug/l	100
85) sec-Butylbenzene	13.25	105	877143	55.765	ug/l	100
86) p-Isopropyltoluene	13.37	119	816376	55.392	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	397796	53.940	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	391629	53.630	ug/l	99
89) n-Butylbenzene	13.70	91	750534	55.940	ug/l	99
90) Hexachloroethane	13.96	117	150559	56.095	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	349858	53.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20700	44.771	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	248969	52.112	ug/l	100
94) Hexachlorobutadiene	15.11	225	156872	54.702	ug/l	99
95) Naphthalene	15.23	128	409602	46.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	201843	49.767	ug/l	99

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

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