

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002819.D
 Acq On : 02 Jun 2020 17:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:31:40 AM

Quant Time: Jun 03 06:45:22 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	351315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	524494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248241	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	153223	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
35) Dibromofluoromethane	7.72	113	162859	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
50) Toluene-d8	10.18	98	617184	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.48	95	215284	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	110398	45.669	ug/l	96
3) Chloromethane	2.12	50	126855	47.443	ug/l	97
4) Vinyl Chloride	2.26	62	142701	50.493	ug/l	100
5) Bromomethane	2.65	94	104795	49.481	ug/l	97
6) Chloroethane	2.80	64	93990	51.303	ug/l	98
7) Trichlorofluoromethane	3.13	101	253409	50.628	ug/l	100
8) Diethyl Ether	3.54	74	95496	48.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	159463	53.658	ug/l	98
10) Methyl Iodide	4.10	142	224497	53.986	ug/l	98
11) Tert butyl alcohol	4.97	59	87784	268.709	ug/l	100
12) 1,1-Dichloroethene	3.88	96	158160	52.919	ug/l	99
13) Acrolein	3.74	56	100864	282.160	ug/l	98
14) Allyl chloride	4.49	41	240609	56.132	ug/l	97
15) Acrylonitrile	5.18	53	243284	275.922	ug/l	99
16) Acetone	3.96	43	187056	261.515	ug/l	99
17) Carbon Disulfide	4.20	76	449161	49.733	ug/l	99
18) Methyl Acetate	4.49	43	103622	57.887	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	445043	53.939	ug/l	99
20) Methylene Chloride	4.72	84	179855	51.453	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	173490	51.617	ug/l	98
22) Diisopropyl ether	6.13	45	499386	56.064	ug/l	95
23) Vinyl Acetate	6.07	43	1690881	287.518	ug/l	99
24) 1,1-Dichloroethane	6.03	63	286299	54.945	ug/l	99
25) 2-Butanone	7.00	43	308350	276.695	ug/l	99
26) 2,2-Dichloropropane	6.99	77	250759	50.178	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	198509	52.758	ug/l	100
28) Bromochloromethane	7.34	49	110967	51.876	ug/l	95
29) Tetrahydrofuran	7.35	42	204169	281.660	ug/l	98
30) Chloroform	7.52	83	295744	53.487	ug/l	98
31) Cyclohexane	7.79	56	259791	50.216	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	263211	51.084	ug/l	99
36) 1,1-Dichloropropene	7.93	75	228112	51.630	ug/l	100
37) Ethyl Acetate	7.08	43	132505	55.122	ug/l	99
38) Carbon Tetrachloride	7.91	117	243673	49.646	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	297629	51.107	ug/l	99
40) Benzene	8.16	78	680739	52.144	ug/l	98
41) Methacrylonitrile	7.33	41	70149m	54.320	ug/l	
42) 1,2-Dichloroethane	8.24	62	185383	50.669	ug/l	100
43) Isopropyl Acetate	8.28	43	254031	55.766	ug/l	99
44) Trichloroethene	8.94	130	210344	51.009	ug/l	99
45) 1,2-Dichloropropane	9.22	63	171691	54.841	ug/l	98
46) Dibromomethane	9.31	93	99490	53.510	ug/l	97
47) Bromodichloromethane	9.50	83	234793	53.567	ug/l	98
48) Methyl methacrylate	9.30	41	115518	56.175	ug/l	97
49) 1,4-Dioxane	9.30	88	29807	1044.075	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	668719	277.230	ug/l	99
52) Toluene	10.24	92	437023	51.172	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	252853	52.815	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	288907	53.256	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	150147	52.748	ug/l	99
56) Ethyl methacrylate	10.51	69	209130	54.852	ug/l	99
57) 1,3-Dichloropropane	10.79	76	248660	53.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	477618	256.376	ug/l	99
59) 2-Hexanone	10.83	43	471962	275.763	ug/l	99
60) Dibromochloromethane	10.99	129	188038	52.105	ug/l	99
61) 1,2-Dibromoethane	11.09	107	146277	52.094	ug/l	99
64) Tetrachloroethene	10.72	164	210870	48.226	ug/l	98
65) Chlorobenzene	11.52	112	495026	52.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	185244	51.725	ug/l	98
67) Ethyl Benzene	11.59	91	849655	51.541	ug/l	100
68) m/p-Xylenes	11.70	106	656141	102.658	ug/l	99
69) o-Xylene	12.03	106	311347	51.600	ug/l	99
70) Styrene	12.04	104	542848	51.898	ug/l	100
71) Bromoform	12.20	173	126242	52.681	ug/l #	100
73) Isopropylbenzene	12.33	105	842998	52.991	ug/l	100
74) N-amyl acetate	12.14	43	231835	56.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	162208	58.114	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	121725m	54.419	ug/l	
77) Bromobenzene	12.61	156	216956	52.376	ug/l	99
78) n-propylbenzene	12.67	91	986757	53.698	ug/l	99
79) 2-Chlorotoluene	12.75	91	547496	53.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	700186	52.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65434	55.113	ug/l	99
82) 4-Chlorotoluene	12.85	91	564856	52.302	ug/l	99
83) tert-Butylbenzene	13.08	119	627510	52.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	701812	52.547	ug/l	100
85) sec-Butylbenzene	13.25	105	853476	52.683	ug/l	100
86) p-Isopropyltoluene	13.37	119	792733	52.588	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	406607	51.821	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	406471	51.786	ug/l	99
89) n-Butylbenzene	13.69	91	719646	52.583	ug/l	100
90) Hexachloroethane	13.96	117	150219	53.230	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	371396	52.193	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28858	53.739	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.01	180	268083	49.982	ug/l	99
94) Hexachlorobutadiene	15.11	225	153861	50.577	ug/l	99
95) Naphthalene	15.23	128	551746	51.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	238151	49.722	ug/l	99

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

