

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001479.D
 Acq On : 03 Feb 2020 17:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:22:00 AM

Quant Time: Feb 04 05:26:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	193693	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	339968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	300725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	140344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	119433	56.67	ug/l	-0.01
Spiked Amount			Recovery	=		113.34%
35) Dibromofluoromethane	7.74	113	113346	56.81	ug/l	-0.01
Spiked Amount			Recovery	=		113.62%
50) Toluene-d8	10.19	98	430617	55.55	ug/l	0.00
Spiked Amount			Recovery	=		111.10%
62) 4-Bromofluorobenzene	12.49	95	166120	53.81	ug/l	0.00
Spiked Amount			Recovery	=		107.62%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	75972	49.737	ug/l	96
3) Chloromethane	2.13	50	85090	36.858	ug/l	99
4) Vinyl Chloride	2.26	62	90664	37.664	ug/l	96
5) Bromomethane	2.66	94	59242	36.542	ug/l	100
6) Chloroethane	2.80	64	58078	37.758	ug/l	99
7) Trichlorofluoromethane	3.14	101	163751	53.168	ug/l	97
8) Diethyl Ether	3.55	74	63803	49.073	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.92	101	103386	52.710	ug/l	99
10) Methyl Iodide	4.11	142	124943	48.298	ug/l	97
11) Tert butyl alcohol	4.99	59	62755	235.730	ug/l	99
12) 1,1-Dichloroethene	3.90	96	99776	48.517	ug/l	99
13) Acrolein	3.75	56	42978	276.286	ug/l	97
14) Allyl chloride	4.51	41	160454	43.751	ug/l	98
15) Acrylonitrile	5.19	53	160041	240.476	ug/l	100
16) Acetone	3.97	43	129365	232.468	ug/l	97
17) Carbon Disulfide	4.22	76	272612	42.149	ug/l	99
18) Methyl Acetate	4.51	43	82089	46.185	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	310819	51.618	ug/l	97
20) Methylene Chloride	4.74	84	117843	44.841	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	111687	46.753	ug/l	95
22) Diisopropyl ether	6.14	45	341680	43.874	ug/l	92
23) Vinyl Acetate	6.09	43	1090057	215.602	ug/l	96
24) 1,1-Dichloroethane	6.04	63	195422	47.607	ug/l	98
25) 2-Butanone	7.01	43	206975	225.619	ug/l	94
26) 2,2-Dichloropropane	7.00	77	179954	49.216	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	131363	49.204	ug/l	97
28) Bromochloromethane	7.35	49	89519	52.881	ug/l	90
29) Tetrahydrofuran	7.37	42	134888	226.009	ug/l	95
30) Chloroform	7.53	83	201932	50.188	ug/l	98
31) Cyclohexane	7.80	56	174673	42.858	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	178678	52.594	ug/l	97
36) 1,1-Dichloropropene	7.94	75	156083	48.596	ug/l	99
37) Ethyl Acetate	7.10	43	90213	45.972	ug/l	97
38) Carbon Tetrachloride	7.92	117	154772	54.069	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	197937	48.107	ug/l	96
40) Benzene	8.18	78	456825	47.435	ug/l	99
41) Methacrylonitrile	7.34	41	43707m	43.161	ug/l	
42) 1,2-Dichloroethane	8.25	62	134789	50.090	ug/l	99
43) Isopropyl Acetate	8.29	43	178140	46.685	ug/l	97
44) Trichloroethene	8.95	130	123289	49.888	ug/l	97
45) 1,2-Dichloropropane	9.23	63	115835	47.580	ug/l	99
46) Dibromomethane	9.32	93	66075	50.555	ug/l	98
47) Bromodichloromethane	9.51	83	162090	51.879	ug/l	99
48) Methyl methacrylate	9.30	41	79916	46.070	ug/l	96
49) 1,4-Dioxane	9.31	88	19409	1053.059	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	452278	230.160	ug/l	96
52) Toluene	10.25	92	291875	47.811	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	176210	50.883	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	198827	50.021	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	97497	50.540	ug/l	98
56) Ethyl methacrylate	10.52	69	144803	49.664	ug/l	93
57) 1,3-Dichloropropane	10.80	76	168418	50.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	261844	259.528	ug/l	96
59) 2-Hexanone	10.84	43	319067	233.233	ug/l	95
60) Dibromochloromethane	10.99	129	115310	53.444	ug/l	99
61) 1,2-Dibromoethane	11.10	107	95501	52.368	ug/l	100
64) Tetrachloroethene	10.72	164	111815	58.209	ug/l	98
65) Chlorobenzene	11.52	112	312012	49.222	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	114513	52.936	ug/l	98
67) Ethyl Benzene	11.60	91	570507	48.837	ug/l	99
68) m/p-Xylenes	11.70	106	427769	98.044	ug/l	99
69) o-Xylene	12.03	106	201709	48.058	ug/l	97
70) Styrene	12.05	104	356991	48.477	ug/l	99
71) Bromoform	12.21	173	67266	52.091	ug/l #	100
73) Isopropylbenzene	12.33	105	557328	50.326	ug/l	99
74) N-amyl acetate	12.14	43	162466	44.818	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	119480	50.377	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	95399m	56.411	ug/l	
77) Bromobenzene	12.61	156	121793	49.653	ug/l	99
78) n-propylbenzene	12.67	91	664584	49.858	ug/l	99
79) 2-Chlorotoluene	12.76	91	380558	49.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	478466	51.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	44793	50.123	ug/l	98
82) 4-Chlorotoluene	12.86	91	399974	49.173	ug/l	99
83) tert-Butylbenzene	13.08	119	391463	50.239	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	482545	51.994	ug/l	100
85) sec-Butylbenzene	13.25	105	553476	49.994	ug/l	99
86) p-Isopropyltoluene	13.38	119	484698	49.682	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	230958	48.891	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	233116	48.602	ug/l	99
89) n-Butylbenzene	13.70	91	477909	48.674	ug/l	99
90) Hexachloroethane	13.97	117	95451	51.616	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	214514	49.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21443	52.395	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	136746	46.767	ug/l	98
94) Hexachlorobutadiene	15.12	225	69447	48.778	ug/l	97
95) Naphthalene	15.24	128	363194	54.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	122604	47.799	ug/l	97

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

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