

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001840.D
 Acq On : 03 Mar 2020 17:11
 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
 3/4/2020 2:02:14 PM

Quant Time: Mar 04 04:23:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	159775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	261919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	96080	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
35) Dibromofluoromethane	7.74	113	87559	52.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.19	98	358547	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.49	95	130208	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	76272	48.973	ug/l	99
3) Chloromethane	2.12	50	95998	45.826	ug/l	99
4) Vinyl Chloride	2.26	62	97972	46.368	ug/l	99
5) Bromomethane	2.66	94	63425	48.030	ug/l	93
6) Chloroethane	2.80	64	62731	48.180	ug/l	97
7) Trichlorofluoromethane	3.14	101	140246	51.862	ug/l	97
8) Diethyl Ether	3.55	74	56995	53.463	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	90078	52.996	ug/l	99
10) Methyl Iodide	4.11	142	101583	48.833	ug/l	100
11) Tert butyl alcohol	4.99	59	51398	259.074	ug/l	100
12) 1,1-Dichloroethene	3.89	96	88221	50.889	ug/l	96
13) Acrolein	3.75	56	44641	257.191	ug/l	98
14) Allyl chloride	4.50	41	164163	53.208	ug/l	98
15) Acrylonitrile	5.19	53	158304	289.704	ug/l	100
16) Acetone	3.97	43	138101	232.235	ug/l	99
17) Carbon Disulfide	4.21	76	262440	45.344	ug/l	100
18) Methyl Acetate	4.50	43	72784	56.203	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	259388	53.741	ug/l	99
20) Methylene Chloride	4.74	84	105965	50.167	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	100323	50.722	ug/l	100
22) Diisopropyl ether	6.14	45	347033	54.771	ug/l	95
23) Vinyl Acetate	6.08	43	1143033	276.568	ug/l	98
24) 1,1-Dichloroethane	6.05	63	180961	53.437	ug/l	99
25) 2-Butanone	7.01	43	211801	262.188	ug/l	98
26) 2,2-Dichloropropane	7.00	77	147805	50.167	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	114409	52.403	ug/l	100
28) Bromochloromethane	7.36	49	85822	60.838	ug/l	95
29) Tetrahydrofuran	7.37	42	136589	279.744	ug/l	99
30) Chloroform	7.53	83	172168	52.032	ug/l	96
31) Cyclohexane	7.80	56	174273	48.267	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	144786	52.062	ug/l	99
36) 1,1-Dichloropropene	7.94	75	141008	50.929	ug/l	100
37) Ethyl Acetate	7.10	43	91671	55.474	ug/l	98
38) Carbon Tetrachloride	7.92	117	120893	49.711	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	179384	48.837	ug/l	96
40) Benzene	8.18	78	422689	51.909	ug/l	99
41) Methacrylonitrile	7.34	41	43101m	51.945	ug/l	
42) 1,2-Dichloroethane	8.25	62	113097	50.982	ug/l	100
43) Isopropyl Acetate	8.29	43	170635	54.422	ug/l	99
44) Trichloroethene	8.96	130	102003	50.180	ug/l	97
45) 1,2-Dichloropropane	9.23	63	110473	54.172	ug/l	98
46) Dibromomethane	9.32	93	56452	52.925	ug/l	99
47) Bromodichloromethane	9.51	83	135021	52.450	ug/l	100
48) Methyl methacrylate	9.31	41	75911	53.533	ug/l	98
49) 1,4-Dioxane	9.32	88	15790	1048.115	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	447635	277.872	ug/l	99
52) Toluene	10.25	92	258132	50.820	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	148358	52.130	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	172841	52.768	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	86035	54.702	ug/l	98
56) Ethyl methacrylate	10.52	69	127049	53.846	ug/l	98
57) 1,3-Dichloropropane	10.80	76	150236	53.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	230725	260.847	ug/l	99
59) 2-Hexanone	10.84	43	319735	264.525	ug/l	99
60) Dibromochloromethane	11.00	129	90682	52.296	ug/l	100
61) 1,2-Dibromoethane	11.10	107	79481	53.446	ug/l	98
64) Tetrachloroethene	10.73	164	80478	48.946	ug/l	96
65) Chlorobenzene	11.52	112	267499	51.155	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	90986	51.580	ug/l	99
67) Ethyl Benzene	11.60	91	499852	51.509	ug/l	100
68) m/p-Xylenes	11.71	106	374299	103.257	ug/l	98
69) o-Xylene	12.03	106	176947	51.345	ug/l	98
70) Styrene	12.05	104	311438	52.000	ug/l	99
71) Bromoform	12.22	173	52458	52.038	ug/l #	97
73) Isopropylbenzene	12.34	105	481940	51.984	ug/l	99
74) N-amyl acetate	12.15	43	158190	53.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	108720	54.922	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	79480m	56.934	ug/l	
77) Bromobenzene	12.61	156	102153	50.828	ug/l	99
78) n-propylbenzene	12.68	91	593553	52.568	ug/l	100
79) 2-Chlorotoluene	12.77	91	328733	51.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	397038	51.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	39704	53.958	ug/l	98
82) 4-Chlorotoluene	12.86	91	347144	51.974	ug/l	100
83) tert-Butylbenzene	13.08	119	333694	51.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	397102	51.902	ug/l	100
85) sec-Butylbenzene	13.26	105	493621	52.290	ug/l	100
86) p-Isopropyltoluene	13.38	119	425109	51.837	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	199921	51.291	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	201100	51.041	ug/l	100
89) n-Butylbenzene	13.70	91	435863	52.014	ug/l	100
90) Hexachloroethane	13.97	117	80754	52.264	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	183146	50.916	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17510	53.598	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	118750	49.817	ug/l	98
94) Hexachlorobutadiene	15.12	225	58176	49.074	ug/l	99
95) Naphthalene	15.25	128	290907	52.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	106856	50.954	ug/l	99

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

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