

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
 Data File : VY002518.D
 Acq On : 01 May 2020 10:00
 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
 5/4/2020 2:19:08 PM

Quant Time: May 04 13:06:19 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	7.81	168	385621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	567832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	513286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	265343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	166705	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	170627	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.19	98	666462	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.49	95	224701	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	170923	53.512	ug/l	99
3) Chloromethane	2.12	50	177621	56.853	ug/l	99
4) Vinyl Chloride	2.26	62	202444	56.117	ug/l	98
5) Bromomethane	2.66	94	127535	51.264	ug/l	99
6) Chloroethane	2.80	64	111992	51.991	ug/l	100
7) Trichlorofluoromethane	3.14	101	286192	51.187	ug/l	99
8) Diethyl Ether	3.54	74	97451	51.866	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	172080	50.358	ug/l	99
10) Methyl Iodide	4.11	142	244330	52.482	ug/l	99
11) Tert butyl alcohol	4.97	59	76316	228.776	ug/l	99
12) 1,1-Dichloroethene	3.89	96	169899	51.180	ug/l	97
13) Acrolein	3.74	56	62026	268.890	ug/l	97
14) Allyl chloride	4.50	41	252452	52.195	ug/l	100
15) Acrylonitrile	5.19	53	228248	257.600	ug/l	99
16) Acetone	3.96	43	193391	289.008	ug/l	100
17) Carbon Disulfide	4.21	76	542546	54.327	ug/l	100
18) Methyl Acetate	4.49	43	111114	49.697	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	443110	51.162	ug/l	99
20) Methylene Chloride	4.74	84	179865	48.067	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	188718	52.013	ug/l	94
22) Diisopropyl ether	6.14	45	501897	51.284	ug/l	97
23) Vinyl Acetate	6.08	43	1618853	263.026	ug/l	99
24) 1,1-Dichloroethane	6.04	63	295643	51.064	ug/l	99
25) 2-Butanone	7.00	43	285730	260.854	ug/l	98
26) 2,2-Dichloropropane	7.00	77	273697	49.733	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	201897	50.290	ug/l	99
28) Bromochloromethane	7.35	49	124093	52.313	ug/l	100
29) Tetrahydrofuran	7.36	42	190468	262.819	ug/l	100
30) Chloroform	7.52	83	303920	50.485	ug/l	100
31) Cyclohexane	7.80	56	285839	49.048	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	284257	50.802	ug/l	99
36) 1,1-Dichloropropene	7.93	75	245332	51.538	ug/l	99
37) Ethyl Acetate	7.09	43	128641	52.589	ug/l	99
38) Carbon Tetrachloride	7.92	117	266825	51.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	324536	51.618	ug/l	98
40) Benzene	8.17	78	704845	51.267	ug/l	99
41) Methacrylonitrile	7.34	41	68835m	52.337	ug/l	
42) 1,2-Dichloroethane	8.25	62	194224	50.364	ug/l	99
43) Isopropyl Acetate	8.28	43	239754	52.281	ug/l	100
44) Trichloroethene	8.96	130	219455	51.076	ug/l	98
45) 1,2-Dichloropropane	9.23	63	169668	51.134	ug/l	99
46) Dibromomethane	9.32	93	97216	50.922	ug/l	100
47) Bromodichloromethane	9.51	83	236366	50.918	ug/l	98
48) Methyl methacrylate	9.30	41	108407	52.234	ug/l	100
49) 1,4-Dioxane	9.31	88	25505	1009.008	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	621575	262.966	ug/l	100
52) Toluene	10.25	92	449864	50.914	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	254400	52.305	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	289605	51.506	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	140974	50.637	ug/l	99
56) Ethyl methacrylate	10.52	69	195574	52.806	ug/l	100
57) 1,3-Dichloropropane	10.80	76	241545	51.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	488939	250.338	ug/l	99
59) 2-Hexanone	10.85	43	433505	266.466	ug/l	99
60) Dibromochloromethane	11.00	129	182018	51.404	ug/l	99
61) 1,2-Dibromoethane	11.10	107	142038	51.525	ug/l	98
64) Tetrachloroethene	10.73	164	230630	50.571	ug/l	98
65) Chlorobenzene	11.53	112	493847	50.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	187840	51.860	ug/l	98
67) Ethyl Benzene	11.60	91	880587	51.377	ug/l	99
68) m/p-Xylenes	11.71	106	679926	102.525	ug/l	100
69) o-Xylene	12.04	106	316064	50.900	ug/l	99
70) Styrene	12.05	104	549780	51.792	ug/l	99
71) Bromoform	12.22	173	119107	52.981	ug/l	100
73) Isopropylbenzene	12.34	105	867180	50.427	ug/l	99
74) N-amyl acetate	12.15	43	220766	53.367	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	139602	51.045	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	106591m	45.204	ug/l	
77) Bromobenzene	12.62	156	215442	50.144	ug/l	99
78) n-propylbenzene	12.68	91	1017597	50.991	ug/l	100
79) 2-Chlorotoluene	12.77	91	555884	50.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	725689	50.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	61478	52.279	ug/l #	74
82) 4-Chlorotoluene	12.86	91	577807	49.760	ug/l	99
83) tert-Butylbenzene	13.08	119	645895	51.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	728345	51.268	ug/l	100
85) sec-Butylbenzene	13.27	105	877543	50.597	ug/l	100
86) p-Isopropyltoluene	13.38	119	832232	51.211	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	409880	50.405	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	405647	50.378	ug/l	99
89) n-Butylbenzene	13.70	91	755069	51.039	ug/l	100
90) Hexachloroethane	13.97	117	150691	50.918	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	366297	50.482	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	26520	52.020	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	265974	50.489	ug/l	100
94) Hexachlorobutadiene	15.12	225	158881	50.245	ug/l	98
95) Naphthalene	15.25	128	496130	51.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	227690	50.914	ug/l	99

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

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