

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003024.D
 Acq On : 29 Jun 2020 22:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:55:23 PM

Quant Time: Jun 30 07:44:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	580449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	872990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	795021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	419490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	286432	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.72	113	272308	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.18	98	980543	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.48	95	355984	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	204766	46.581	ug/l	98
3) Chloromethane	2.12	50	282268	43.849	ug/l	97
4) Vinyl Chloride	2.26	62	311096	49.544	ug/l	97
5) Bromomethane	2.65	94	226733	53.182	ug/l	100
6) Chloroethane	2.80	64	206181	51.616	ug/l	98
7) Trichlorofluoromethane	3.13	101	434130	48.985	ug/l	97
8) Diethyl Ether	3.54	74	155203	51.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	261254	49.370	ug/l	98
10) Methyl Iodide	4.10	142	348261	53.074	ug/l	99
11) Tert butyl alcohol	4.97	59	146794	249.852	ug/l	99
12) 1,1-Dichloroethene	3.88	96	249112	49.476	ug/l	91
13) Acrolein	3.74	56	103895	196.890	ug/l	97
14) Allyl chloride	4.49	41	403256	45.872	ug/l	97
15) Acrylonitrile	5.18	53	388619	248.183	ug/l	100
16) Acetone	3.96	43	302442	222.438	ug/l	98
17) Carbon Disulfide	4.20	76	771499	47.958	ug/l	99
18) Methyl Acetate	4.49	43	174842	47.730	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	783796	53.405	ug/l	99
20) Methylene Chloride	4.72	84	307656	50.821	ug/l	92
21) trans-1,2-Dichloroethene	5.23	96	285447	50.120	ug/l	95
22) Diisopropyl ether	6.13	45	918323	48.740	ug/l	96
23) Vinyl Acetate	6.07	43	3119495	247.641	ug/l	97
24) 1,1-Dichloroethane	6.03	63	512020	49.748	ug/l	100
25) 2-Butanone	6.99	43	534979	247.694	ug/l	98
26) 2,2-Dichloropropane	6.99	77	428354	45.808	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	327038	51.196	ug/l	96
28) Bromochloromethane	7.34	49	227385	49.653	ug/l	90
29) Tetrahydrofuran	7.36	42	362418	252.327	ug/l	95
30) Chloroform	7.52	83	515859	50.592	ug/l	98
31) Cyclohexane	7.78	56	447354	44.120	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	465328	49.996	ug/l	99
36) 1,1-Dichloropropene	7.93	75	398226	47.357	ug/l	98
37) Ethyl Acetate	7.08	43	250155	49.477	ug/l	98
38) Carbon Tetrachloride	7.91	117	422267	48.264	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	488745	46.878	ug/l	99
40) Benzene	8.16	78	1134176	49.266	ug/l	100
41) Methacrylonitrile	7.33	41	150396m	55.686	ug/l	
42) 1,2-Dichloroethane	8.24	62	359788	49.401	ug/l	100
43) Isopropyl Acetate	8.28	43	478656	49.800	ug/l	97
44) Trichloroethene	8.94	130	339612	50.754	ug/l	100
45) 1,2-Dichloropropane	9.22	63	296646	47.895	ug/l	98
46) Dibromomethane	9.31	93	177640	51.352	ug/l	98
47) Bromodichloromethane	9.50	83	428799	50.623	ug/l	99
48) Methyl methacrylate	9.30	41	216733	49.540	ug/l	95
49) 1,4-Dioxane	9.31	88	49073	1162.122	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	1247832	251.183	ug/l	98
52) Toluene	10.24	92	709303	48.944	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	443702	49.963	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	497414	48.975	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	250278	52.066	ug/l	99
56) Ethyl methacrylate	10.51	69	373008	53.606	ug/l	97
57) 1,3-Dichloropropane	10.79	76	431759	51.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	885124	248.023	ug/l	97
59) 2-Hexanone	10.83	43	885623	255.052	ug/l	98
60) Dibromochloromethane	10.99	129	318311	51.744	ug/l	100
61) 1,2-Dibromoethane	11.09	107	248338	52.403	ug/l	99
64) Tetrachloroethene	10.72	164	349095	51.882	ug/l	98
65) Chlorobenzene	11.52	112	794324	50.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	316442	51.703	ug/l	100
67) Ethyl Benzene	11.59	91	1417529	49.428	ug/l	98
68) m/p-Xylenes	11.70	106	1056211	98.955	ug/l	100
69) o-Xylene	12.03	106	506516	50.359	ug/l	98
70) Styrene	12.04	104	885521	51.534	ug/l	99
71) Bromoform	12.20	173	219469	53.777	ug/l	99
73) Isopropylbenzene	12.33	105	1365324	49.732	ug/l	99
74) N-amyl acetate	12.14	43	454534	50.857	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	288410	52.057	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	221341m	53.314	ug/l	
77) Bromobenzene	12.61	156	362679	51.523	ug/l	98
78) n-propylbenzene	12.67	91	1610797	48.787	ug/l	100
79) 2-Chlorotoluene	12.75	91	986528	53.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1150274	49.930	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	110275	51.678	ug/l	95
82) 4-Chlorotoluene	12.85	91	1011310	52.706	ug/l	100
83) tert-Butylbenzene	13.08	119	1011067	49.981	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1158208	49.892	ug/l	99
85) sec-Butylbenzene	13.25	105	1373682	49.267	ug/l	100
86) p-Isopropyltoluene	13.37	119	1278506	49.485	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	661741	50.354	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	657639	50.748	ug/l	100
89) n-Butylbenzene	13.69	91	1163154	47.054	ug/l	99
90) Hexachloroethane	13.96	117	258388	50.365	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	605362	51.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	53801	54.856	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	448115	51.146	ug/l	98
94) Hexachlorobutadiene	15.11	225	276838	50.093	ug/l	98
95) Naphthalene	15.23	128	887218	55.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	397694	52.274	ug/l	99

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

