

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002618.D
 Acq On : 07 May 2020 09:55
 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
 5/8/2020 1:23:40 PM

Quant Time: May 08 08:09:12 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	7.80	168	367269	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	545724	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	487412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	251802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	149708	48.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.72	113	158534	50.80	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.18	98	622769	51.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.49	95	211159	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	163487	53.734	ug/l	97
3) Chloromethane	2.12	50	173205	58.209	ug/l	99
4) Vinyl Chloride	2.26	62	198120	57.662	ug/l	100
5) Bromomethane	2.65	94	127248	53.704	ug/l	99
6) Chloroethane	2.80	64	111159	54.183	ug/l	99
7) Trichlorofluoromethane	3.13	101	280043	52.590	ug/l	99
8) Diethyl Ether	3.54	74	95201	53.200	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	172111	52.884	ug/l	100
10) Methyl Iodide	4.10	142	240427	54.224	ug/l	99
11) Tert butyl alcohol	4.97	59	69065	217.385	ug/l	99
12) 1,1-Dichloroethene	3.88	96	169782	53.701	ug/l	96
13) Acrolein	3.74	56	49980	227.495	ug/l	96
14) Allyl chloride	4.49	41	250278	54.331	ug/l	98
15) Acrylonitrile	5.17	53	221989	263.056	ug/l	99
16) Acetone	3.96	43	162881	255.576	ug/l	97
17) Carbon Disulfide	4.20	76	520110	54.682	ug/l	99
18) Methyl Acetate	4.48	43	108348	50.882	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	430999	52.251	ug/l	98
20) Methylene Chloride	4.72	84	179132	50.263	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	186392	53.939	ug/l	96
22) Diisopropyl ether	6.13	45	498899	53.525	ug/l	99
23) Vinyl Acetate	6.07	43	1564609	266.916	ug/l	100
24) 1,1-Dichloroethane	6.03	63	294638	53.433	ug/l	99
25) 2-Butanone	6.99	43	257232	246.571	ug/l	99
26) 2,2-Dichloropropane	6.99	77	269726	51.461	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	200925	52.549	ug/l	99
28) Bromochloromethane	7.34	49	114528	50.693	ug/l	99
29) Tetrahydrofuran	7.35	42	181134	262.428	ug/l	100
30) Chloroform	7.52	83	299018	52.153	ug/l	99
31) Cyclohexane	7.79	56	284669	51.288	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	280474	52.631	ug/l	99
36) 1,1-Dichloropropene	7.93	75	243852	53.303	ug/l	99
37) Ethyl Acetate	7.08	43	122081	51.929	ug/l	99
38) Carbon Tetrachloride	7.91	117	261430	52.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	319041	52.800	ug/l	99
40) Benzene	8.17	78	700532	53.018	ug/l	100
41) Methacrylonitrile	7.32	41	50892m	40.262	ug/l	
42) 1,2-Dichloroethane	8.24	62	185905	50.159	ug/l	98
43) Isopropyl Acetate	8.28	43	230800	52.368	ug/l	100
44) Trichloroethene	8.94	130	222855	53.969	ug/l	98
45) 1,2-Dichloropropane	9.22	63	168363	52.796	ug/l	99
46) Dibromomethane	9.31	93	94980	51.766	ug/l	99
47) Bromodichloromethane	9.50	83	233617	52.365	ug/l	98
48) Methyl methacrylate	9.30	41	103955	52.118	ug/l	98
49) 1,4-Dioxane	9.30	88	25091	1032.842	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	599483	263.894	ug/l	100
52) Toluene	10.25	92	453854	53.446	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	246605	52.757	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	285142	52.767	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	139118	51.994	ug/l	97
56) Ethyl methacrylate	10.51	69	192014	53.945	ug/l	98
57) 1,3-Dichloropropane	10.80	76	236401	52.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	493434	262.875	ug/l	99
59) 2-Hexanone	10.84	43	414515	265.115	ug/l	99
60) Dibromochloromethane	10.99	129	179061	52.618	ug/l	100
61) 1,2-Dibromoethane	11.10	107	137501	51.900	ug/l	99
64) Tetrachloroethene	10.72	164	243918	56.324	ug/l	99
65) Chlorobenzene	11.52	112	493376	53.248	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	186300	54.166	ug/l	99
67) Ethyl Benzene	11.60	91	872613	53.614	ug/l	99
68) m/p-Xylenes	11.71	106	673293	106.914	ug/l	100
69) o-Xylene	12.03	106	318183	53.962	ug/l	99
70) Styrene	12.05	104	546939	54.259	ug/l	99
71) Bromoform	12.21	173	115704	54.200	ug/l #	99
73) Isopropylbenzene	12.33	105	860523	52.731	ug/l	100
74) N-amyl acetate	12.15	43	213360	54.350	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	129665	49.961	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	106525m	47.605	ug/l	
77) Bromobenzene	12.61	156	214906	52.709	ug/l	99
78) n-propylbenzene	12.67	91	1002935	52.959	ug/l	100
79) 2-Chlorotoluene	12.76	91	556898	53.087	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	716555	52.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59939	53.712	ug/l #	74
82) 4-Chlorotoluene	12.86	91	576699	52.335	ug/l	99
83) tert-Butylbenzene	13.08	119	635833	53.607	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	713523	52.926	ug/l	100
85) sec-Butylbenzene	13.26	105	875994	53.224	ug/l	100
86) p-Isopropyltoluene	13.38	119	815077	52.853	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	405631	52.565	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	398785	52.189	ug/l	100
89) n-Butylbenzene	13.70	91	744800	53.052	ug/l	100
90) Hexachloroethane	13.97	117	150520	53.595	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	358584	52.077	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24609	50.867	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	259177	51.845	ug/l	99
94) Hexachlorobutadiene	15.12	225	157145	52.369	ug/l	99
95) Naphthalene	15.24	128	468612	51.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	215888	50.871	ug/l	99

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

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