

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002575.D
 Acq On : 05 May 2020 10:15
 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
 5/6/2020 10:26:41 AM

Quant Time: May 06 06:23:30 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	399982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	594053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	530008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	271862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	165019	49.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.73	113	171871	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.19	98	668766	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.49	95	224672	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	171586	51.848	ug/l	98
3) Chloromethane	2.12	50	178268	55.011	ug/l	100
4) Vinyl Chloride	2.26	62	205317	54.870	ug/l	99
5) Bromomethane	2.66	94	131264	50.868	ug/l	100
6) Chloroethane	2.80	64	117258	52.481	ug/l	99
7) Trichlorofluoromethane	3.14	101	294162	50.723	ug/l	99
8) Diethyl Ether	3.54	74	103252	52.980	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	181252	51.137	ug/l	99
10) Methyl Iodide	4.11	142	256017	53.018	ug/l	99
11) Tert butyl alcohol	4.97	59	81581	235.778	ug/l	99
12) 1,1-Dichloroethene	3.89	96	179913	52.251	ug/l	98
13) Acrolein	3.74	56	61330	256.326	ug/l	98
14) Allyl chloride	4.50	41	265598	52.941	ug/l	98
15) Acrylonitrile	5.18	53	242713	264.091	ug/l	98
16) Acetone	3.96	43	208253	300.044	ug/l	98
17) Carbon Disulfide	4.21	76	554421	53.522	ug/l	99
18) Methyl Acetate	4.50	43	117145	50.514	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	461550	51.378	ug/l	99
20) Methylene Chloride	4.73	84	189974	48.945	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	196167	52.125	ug/l	98
22) Diisopropyl ether	6.13	45	534108	52.616	ug/l	97
23) Vinyl Acetate	6.08	43	1702965	266.758	ug/l	100
24) 1,1-Dichloroethane	6.04	63	312213	51.990	ug/l	100
25) 2-Butanone	7.00	43	305346	268.753	ug/l	97
26) 2,2-Dichloropropane	7.00	77	281404	49.298	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	212135	50.943	ug/l	99
28) Bromochloromethane	7.35	49	130329	52.969	ug/l	99
29) Tetrahydrofuran	7.36	42	203677	270.955	ug/l	99
30) Chloroform	7.52	83	314744	50.406	ug/l	99
31) Cyclohexane	7.80	56	298292	49.347	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	289827	49.938	ug/l	99
36) 1,1-Dichloropropene	7.93	75	254422	51.089	ug/l	99
37) Ethyl Acetate	7.08	43	133563	52.191	ug/l	100
38) Carbon Tetrachloride	7.91	117	273403	50.286	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	333844	50.755	ug/l	98
40) Benzene	8.17	78	734590	51.072	ug/l	100
41) Methacrylonitrile	7.34	41	81470m	59.210	ug/l	
42) 1,2-Dichloroethane	8.25	62	198482	49.196	ug/l	98
43) Isopropyl Acetate	8.28	43	250626	52.240	ug/l	99
44) Trichloroethene	8.95	130	232771	51.784	ug/l	96
45) 1,2-Dichloropropane	9.22	63	177016	50.993	ug/l	100
46) Dibromomethane	9.31	93	102340	51.240	ug/l	99
47) Bromodichloromethane	9.50	83	245880	50.630	ug/l	99
48) Methyl methacrylate	9.30	41	113817	52.420	ug/l	99
49) 1,4-Dioxane	9.30	88	28543	1079.353	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	654657	264.737	ug/l	99
52) Toluene	10.25	92	469997	50.845	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	259655	51.029	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	303624	51.616	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	148023	50.822	ug/l	99
56) Ethyl methacrylate	10.52	69	207704	53.606	ug/l	99
57) 1,3-Dichloropropane	10.80	76	249812	50.577	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	528907	258.849	ug/l	99
59) 2-Hexanone	10.84	43	461511	271.159	ug/l	100
60) Dibromochloromethane	10.99	129	189408	51.130	ug/l	99
61) 1,2-Dibromoethane	11.10	107	146892	50.934	ug/l	100
64) Tetrachloroethene	10.72	164	251897	53.491	ug/l	98
65) Chlorobenzene	11.52	112	515569	51.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	191557	51.218	ug/l	99
67) Ethyl Benzene	11.60	91	908613	51.339	ug/l	99
68) m/p-Xylenes	11.70	106	703382	102.716	ug/l	100
69) o-Xylene	12.03	106	330476	51.542	ug/l	99
70) Styrene	12.05	104	567269	51.753	ug/l	100
71) Bromoform	12.21	173	121091	52.165	ug/l #	99
73) Isopropylbenzene	12.33	105	901447	51.162	ug/l	99
74) N-amyl acetate	12.15	43	230247	54.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	140211	50.038	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	115731m	47.903	ug/l	
77) Bromobenzene	12.61	156	223446	50.760	ug/l	99
78) n-propylbenzene	12.67	91	1048560	51.282	ug/l	100
79) 2-Chlorotoluene	12.76	91	576349	50.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	745003	51.010	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63672	52.847	ug/l #	74
82) 4-Chlorotoluene	12.86	91	597208	50.198	ug/l	99
83) tert-Butylbenzene	13.08	119	660895	51.608	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	748150	51.400	ug/l	100
85) sec-Butylbenzene	13.26	105	907954	51.095	ug/l	100
86) p-Isopropyltoluene	13.38	119	850758	51.096	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	425755	51.102	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	421631	51.108	ug/l	100
89) n-Butylbenzene	13.70	91	776602	51.235	ug/l	100
90) Hexachloroethane	13.97	117	156790	51.709	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	375413	50.498	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26608	50.941	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	273199	50.617	ug/l	100
94) Hexachlorobutadiene	15.12	225	163253	50.390	ug/l	98
95) Naphthalene	15.24	128	512111	52.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	232535	50.750	ug/l	99

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

