

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003159.D
 Acq On : 10 Jul 2020 12:16
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:37 AM

Quant Time: Jul 10 13:05:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	491377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	701904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	650270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	346373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	197348	42.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.14%	
35) Dibromofluoromethane	7.72	113	195389	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
50) Toluene-d8	10.18	98	711357	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
62) 4-Bromofluorobenzene	12.48	95	251935	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	151363	42.002	ug/l	100
3) Chloromethane	2.12	50	217959	40.694	ug/l	100
4) Vinyl Chloride	2.25	62	229057	44.075	ug/l	100
5) Bromomethane	2.65	94	163162	45.599	ug/l	100
6) Chloroethane	2.80	64	151430	45.482	ug/l	100
7) Trichlorofluoromethane	3.13	101	330065	44.925	ug/l	100
8) Diethyl Ether	3.54	74	111451	44.306	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	200609	45.559	ug/l	100
10) Methyl Iodide	4.10	142	235128	43.758	ug/l	100
11) Tert butyl alcohol	4.96	59	97994	203.826	ug/l	100
12) 1,1-Dichloroethene	3.88	96	189640	45.265	ug/l	100
13) Acrolein	3.74	56	84936	195.833	ug/l	100
14) Allyl chloride	4.49	41	288556	40.205	ug/l	100
15) Acrylonitrile	5.17	53	271200	211.684	ug/l	100
16) Acetone	3.95	43	222461	202.763	ug/l	100
17) Carbon Disulfide	4.20	76	587272	44.130	ug/l	100
18) Methyl Acetate	4.48	43	117286	39.343	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	541888	44.697	ug/l	100
20) Methylene Chloride	4.72	84	230814	36.438	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	217642	45.731	ug/l	100
22) Diisopropyl ether	6.13	45	649153	41.956	ug/l	100
23) Vinyl Acetate	6.07	43	2175311	211.267	ug/l	100
24) 1,1-Dichloroethane	6.02	63	370228	43.493	ug/l	100
25) 2-Butanone	6.99	43	358571	204.495	ug/l	100
26) 2,2-Dichloropropane	6.99	77	330516	42.753	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	241080	45.257	ug/l	100
28) Bromochloromethane	7.34	49	162906	43.603	ug/l	100
29) Tetrahydrofuran	7.35	42	242876	207.921	ug/l	100
30) Chloroform	7.52	83	378867	44.725	ug/l	100
31) Cyclohexane	7.78	56	347445	41.473	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	338745	43.899	ug/l	100
36) 1,1-Dichloropropene	7.93	75	303268	45.610	ug/l	100
37) Ethyl Acetate	7.08	43	165501	42.254	ug/l	100
38) Carbon Tetrachloride	7.91	117	318535	46.028	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	381350	46.261	ug/l	100
40) Benzene	8.16	78	833492	45.766	ug/l	100
41) Methacrylonitrile	7.33	41	101500m	48.629	ug/l	
42) 1,2-Dichloroethane	8.24	62	255918	44.722	ug/l	100
43) Isopropyl Acetate	8.28	43	319199	42.846	ug/l	100
44) Trichloroethene	8.94	130	255060	47.776	ug/l	100
45) 1,2-Dichloropropane	9.22	63	216624	44.405	ug/l	100
46) Dibromomethane	9.31	93	127353	46.464	ug/l	100
47) Bromodichloromethane	9.50	83	301423	45.129	ug/l	100
48) Methyl methacrylate	9.29	41	144060	42.481	ug/l	100
49) 1,4-Dioxane	9.30	88	33034	975.921	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	835489	216.550	ug/l	100
52) Toluene	10.24	92	535085	46.511	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	317910	45.475	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	360740	45.121	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	177124	46.669	ug/l	100
56) Ethyl methacrylate	10.51	69	253313	46.372	ug/l	100
57) 1,3-Dichloropropane	10.79	76	305098	45.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	632629	228.431	ug/l	100
59) 2-Hexanone	10.83	43	585698	217.449	ug/l	100
60) Dibromochloromethane	10.99	129	227168	46.657	ug/l	100
61) 1,2-Dibromoethane	11.09	107	175327	46.677	ug/l	100
64) Tetrachloroethene	10.72	164	270679	49.395	ug/l	100
65) Chlorobenzene	11.52	112	591482	46.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	229342	46.519	ug/l	100
67) Ethyl Benzene	11.59	91	1065122	46.058	ug/l	100
68) m/p-Xylenes	11.70	106	803150	93.365	ug/l	100
69) o-Xylene	12.03	106	379009	46.713	ug/l	100
70) Styrene	12.04	104	655222	47.255	ug/l	100
71) Bromoform	12.20	173	154882	47.280	ug/l	# 100
73) Isopropylbenzene	12.33	105	1042836	46.520	ug/l	100
74) N-amyl acetate	12.14	43	300548	42.185	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	200632	44.715	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	143567m	43.116	ug/l	
77) Bromobenzene	12.61	156	263734	45.940	ug/l	100
78) n-propylbenzene	12.67	91	1237088	45.999	ug/l	100
79) 2-Chlorotoluene	12.75	91	685223	45.658	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	871836	46.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75365	43.988	ug/l	100
82) 4-Chlorotoluene	12.85	91	717236	45.928	ug/l	100
83) tert-Butylbenzene	13.07	119	774081	46.872	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	880133	46.472	ug/l	100
85) sec-Butylbenzene	13.25	105	1060009	46.621	ug/l	100
86) p-Isopropyltoluene	13.37	119	993758	47.109	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	500705	46.702	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	492432	46.589	ug/l	100
89) n-Butylbenzene	13.69	91	940888	46.745	ug/l	100
90) Hexachloroethane	13.96	117	182999	44.164	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	440824	46.028	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31980	41.172	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	311448	44.059	ug/l	100
94) Hexachlorobutadiene	15.11	225	211482	46.873	ug/l	100
95) Naphthalene	15.23	128	514628	40.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	243874	40.449	ug/l	100

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

