

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002325.D
 Acq On : 15 Apr 2020 10:30
 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
 4/16/2020 10:32:03 AM

Quant Time: Apr 16 06:51:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	161192	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	288760	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	254064	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	111242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	79547	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
35) Dibromofluoromethane	7.75	113	85150	49.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.19	98	356756	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.49	95	109874	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	77322	47.463	ug/l	96
3) Chloromethane	2.13	50	91511	44.633	ug/l	98
4) Vinyl Chloride	2.27	62	101579	46.546	ug/l	98
5) Bromomethane	2.68	94	62528	46.398	ug/l	97
6) Chloroethane	2.82	64	58711	46.648	ug/l	97
7) Trichlorofluoromethane	3.15	101	138230	49.047	ug/l	96
8) Diethyl Ether	3.55	74	57709	48.166	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.93	101	96949	50.641	ug/l	97
10) Methyl Iodide	4.13	142	117936	52.998	ug/l	97
11) Tert butyl alcohol	4.99	59	41968	215.106	ug/l	98
12) 1,1-Dichloroethene	3.90	96	99509	51.126	ug/l	92
13) Acrolein	3.76	56	51599	223.248	ug/l	100
14) Allyl chloride	4.52	41	142054	45.197	ug/l	96
15) Acrylonitrile	5.21	53	139724	228.045	ug/l	98
16) Acetone	3.98	43	141258	299.192	ug/l	98
17) Carbon Disulfide	4.22	76	320243	49.543	ug/l	99
18) Methyl Acetate	4.52	43	62352	42.577	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	241466	47.190	ug/l	98
20) Methylene Chloride	4.75	84	111303	47.963	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	109018	49.901	ug/l	96
22) Diisopropyl ether	6.15	45	286716	45.329	ug/l	98
23) Vinyl Acetate	6.10	43	892545	221.432	ug/l	98
24) 1,1-Dichloroethane	6.05	63	174614	48.535	ug/l	99
25) 2-Butanone	7.02	43	177443	237.486	ug/l	95
26) 2,2-Dichloropropane	7.01	77	141183	46.912	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	117049	49.150	ug/l	95
28) Bromochloromethane	7.36	49	68223	43.928	ug/l	95
29) Tetrahydrofuran	7.38	42	104219	211.013	ug/l	95
30) Chloroform	7.53	83	164595	48.534	ug/l	97
31) Cyclohexane	7.81	56	172902	45.784	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	139496	49.418	ug/l	98
36) 1,1-Dichloropropene	7.94	75	141032	49.585	ug/l	98
37) Ethyl Acetate	7.11	43	69152	42.559	ug/l	96
38) Carbon Tetrachloride	7.93	117	121040	49.752	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	190809	49.317	ug/l	94
40) Benzene	8.19	78	430793	49.921	ug/l	98
41) Methacrylonitrile	7.33	41	25842m	26.960	ug/l	
42) 1,2-Dichloroethane	8.26	62	97580	45.649	ug/l	98
43) Isopropyl Acetate	8.30	43	128338	43.308	ug/l	97
44) Trichloroethene	8.96	130	123552	48.698	ug/l	93
45) 1,2-Dichloropropane	9.24	63	103493	48.336	ug/l	97
46) Dibromomethane	9.32	93	54164	48.382	ug/l	98
47) Bromodichloromethane	9.52	83	127196	49.517	ug/l	99
48) Methyl methacrylate	9.31	41	55013	41.402	ug/l	91
49) 1,4-Dioxane	9.32	88	14143	893.095	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	339140	219.627	ug/l	97
52) Toluene	10.26	92	262283	50.434	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	135198	48.307	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	165144	49.081	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	80608	49.181	ug/l	97
56) Ethyl methacrylate	10.52	69	111517	47.672	ug/l	92
57) 1,3-Dichloropropane	10.80	76	138074	47.928	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	275063	227.066	ug/l	98
59) 2-Hexanone	10.85	43	248190	231.587	ug/l	96
60) Dibromochloromethane	11.00	129	85996	49.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	75051	48.099	ug/l	100
64) Tetrachloroethene	10.74	164	129145	50.277	ug/l	96
65) Chlorobenzene	11.53	112	267858	50.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	88696	50.868	ug/l	98
67) Ethyl Benzene	11.60	91	487200	50.392	ug/l	99
68) m/p-Xylenes	11.71	106	369909	102.151	ug/l	97
69) o-Xylene	12.04	106	167578	49.292	ug/l	96
70) Styrene	12.05	104	290428	49.239	ug/l	97
71) Bromoform	12.22	173	46659	49.207	ug/l #	100
73) Isopropylbenzene	12.34	105	440507	50.405	ug/l	99
74) N-amyl acetate	12.15	43	105843	42.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	57251	54.146	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	56236m	43.534	ug/l	
77) Bromobenzene	12.62	156	98088	51.015	ug/l	93
78) n-propylbenzene	12.68	91	534233	49.152	ug/l	99
79) 2-Chlorotoluene	12.77	91	287320	48.642	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	360059	49.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	31872	47.989	ug/l	99
82) 4-Chlorotoluene	12.86	91	295964	47.806	ug/l	97
83) tert-Butylbenzene	13.08	119	302746	50.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	355887	49.310	ug/l	99
85) sec-Butylbenzene	13.27	105	444825	49.323	ug/l	99
86) p-Isopropyltoluene	13.38	119	385493	49.664	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	186638	50.087	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187400	49.544	ug/l	99
89) n-Butylbenzene	13.70	91	385497	48.452	ug/l	99
90) Hexachloroethane	13.97	117	72188	48.805	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	167070	49.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	10909	42.659	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104506	47.220	ug/l	100
94) Hexachlorobutadiene	15.12	225	54267	48.683	ug/l	99
95) Naphthalene	15.25	128	226701	46.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	90272	46.975	ug/l	99

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

