

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002248.D
 Acq On : 08 Apr 2020 13:16
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:31:57 AM

Quant Time: Apr 08 15:18:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	156632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	287813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	252539	144.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.96%	
35) Dibromofluoromethane	7.74	113	255041	148.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.84%	
50) Toluene-d8	10.19	98	1047186	146.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.18%	
62) 4-Bromofluorobenzene	12.49	95	334990	141.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	233655	147.601	ug/l	95
3) Chloromethane	2.12	50	285434	143.268	ug/l	99
4) Vinyl Chloride	2.26	62	300385	141.651	ug/l	99
5) Bromomethane	2.65	94	160363	122.458	ug/l	99
6) Chloroethane	2.80	64	172683	141.198	ug/l	96
7) Trichlorofluoromethane	3.13	101	392806	143.433	ug/l	96
8) Diethyl Ether	3.54	74	171998	147.734	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	267899	144.010	ug/l	99
10) Methyl Iodide	4.11	142	352729	163.122	ug/l	99
11) Tert butyl alcohol	4.99	59	123401	538.494	ug/l	97
12) 1,1-Dichloroethene	3.89	96	275098	145.455	ug/l	96
13) Acrolein	3.75	56	160571	714.950	ug/l	100
14) Allyl chloride	4.50	41	434179	142.163	ug/l	98
15) Acrylonitrile	5.19	53	415007	697.058	ug/l	99
16) Acetone	3.97	43	294273	641.431	ug/l	96
17) Carbon Disulfide	4.21	76	925290	147.313	ug/l	99
18) Methyl Acetate	4.50	43	194136	136.425	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	712340	143.266	ug/l	97
20) Methylene Chloride	4.74	84	306714	136.018	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	308174	145.168	ug/l	98
22) Diisopropyl ether	6.14	45	839557	136.597	ug/l	97
23) Vinyl Acetate	6.08	43	2690711	686.975	ug/l	98
24) 1,1-Dichloroethane	6.04	63	500019	143.029	ug/l	99
25) 2-Butanone	7.01	43	475812	655.357	ug/l	99
26) 2,2-Dichloropropane	7.00	77	401479	137.287	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	335405	144.939	ug/l	97
28) Bromochloromethane	7.35	49	215378	142.718	ug/l	97
29) Tetrahydrofuran	7.36	42	314220	654.726	ug/l	97
30) Chloroform	7.52	83	477200	144.807	ug/l	99
31) Cyclohexane	7.80	56	495898	135.136	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	403854	147.236	ug/l	99
36) 1,1-Dichloropropene	7.93	75	399436	140.899	ug/l	98
37) Ethyl Acetate	7.10	43	213182	131.632	ug/l	99
38) Carbon Tetrachloride	7.91	117	350961	144.732	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	548661	142.274	ug/l	96
40) Benzene	8.18	78	1227296	142.690	ug/l	99
41) Methacrylonitrile	7.35	41	132233m	123.593	ug/l	
42) 1,2-Dichloroethane	8.25	62	299821	140.720	ug/l	99
43) Isopropyl Acetate	8.28	43	408249	138.218	ug/l	99
44) Trichloroethene	8.95	130	354660	140.250	ug/l	96
45) 1,2-Dichloropropane	9.23	63	302617	141.801	ug/l	99
46) Dibromomethane	9.32	93	158455	142.007	ug/l	99
47) Bromodichloromethane	9.50	83	377544	147.461	ug/l	99
48) Methyl methacrylate	9.30	41	182345	137.681	ug/l	96
49) 1,4-Dioxane	9.31	88	43829	2776.798	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	1023814	665.202	ug/l	100
52) Toluene	10.25	92	741039	142.961	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	409555	146.817	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	489787	146.043	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	233015	142.637	ug/l	99
56) Ethyl methacrylate	10.52	69	337281	144.657	ug/l	97
57) 1,3-Dichloropropane	10.80	76	405387	141.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	834743	691.354	ug/l	99
59) 2-Hexanone	10.84	43	706198	661.123	ug/l	99
60) Dibromochloromethane	10.99	129	259213	148.807	ug/l	100
61) 1,2-Dibromoethane	11.10	107	221719	142.564	ug/l	99
64) Tetrachloroethene	10.72	164	355451	135.731	ug/l	96
65) Chlorobenzene	11.52	112	759088	140.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	253777	142.756	ug/l	99
67) Ethyl Benzene	11.60	91	1377285	139.727	ug/l	99
68) m/p-Xylenes	11.70	106	1025240	277.701	ug/l	99
69) o-Xylene	12.03	106	484831	139.879	ug/l	98
70) Styrene	12.05	104	842882	140.166	ug/l	100
71) Bromoform	12.21	173	142985	147.906	ug/l #	99
73) Isopropylbenzene	12.33	105	1264666	145.690	ug/l	99
74) N-amyl acetate	12.14	43	344776	139.921	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	161908	154.164	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	202893m	91.654	ug/l	
77) Bromobenzene	12.61	156	278442	145.797	ug/l	99
78) n-propylbenzene	12.67	91	1547028	143.296	ug/l	100
79) 2-Chlorotoluene	12.76	91	849628	144.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1033001	143.891	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	99077	150.188	ug/l	98
82) 4-Chlorotoluene	12.86	91	869282	141.362	ug/l	99
83) tert-Butylbenzene	13.08	119	855545	142.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1026100	143.134	ug/l	100
85) sec-Butylbenzene	13.26	105	1248772	139.403	ug/l	100
86) p-Isopropyltoluene	13.38	119	1072423	139.098	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	510966	138.053	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	525597	139.897	ug/l	99
89) n-Butylbenzene	13.70	91	1083111	137.055	ug/l	100
90) Hexachloroethane	13.97	117	213623	145.404	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	475858	141.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	36217	142.584	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	303738	138.171	ug/l	98
94) Hexachlorobutadiene	15.12	225	150585	136.006	ug/l	98
95) Naphthalene	15.24	128	696115	144.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	264061	138.339	ug/l	99

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

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