

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002695.D
 Acq On : 15 May 2020 12:55
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:08 PM

Quant Time: May 15 13:21:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	345353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	471931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	288140	99.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.62%	
35) Dibromofluoromethane	7.72	113	297566	100.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.32%	
50) Toluene-d8	10.18	98	1189951	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
62) 4-Bromofluorobenzene	12.48	95	399353	101.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	235944	94.606	ug/l	97
3) Chloromethane	2.12	50	267729	98.165	ug/l	99
4) Vinyl Chloride	2.25	62	288994	92.933	ug/l	98
5) Bromomethane	2.63	94	209223	95.039	ug/l	97
6) Chloroethane	2.79	64	187982	99.047	ug/l	99
7) Trichlorofluoromethane	3.13	101	503681	101.670	ug/l	99
8) Diethyl Ether	3.53	74	177646	105.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	302307	99.849	ug/l	99
10) Methyl Iodide	4.10	142	460578	111.459	ug/l	99
11) Tert butyl alcohol	4.96	59	138316	467.652	ug/l	99
12) 1,1-Dichloroethene	3.88	96	305413	103.117	ug/l	99
13) Acrolein	3.73	56	168425	754.011	ug/l	99
14) Allyl chloride	4.49	41	445729	103.684	ug/l	99
15) Acrylonitrile	5.18	53	408833	517.324	ug/l	100
16) Acetone	3.95	43	296275	499.306	ug/l	96
17) Carbon Disulfide	4.20	76	961230	107.820	ug/l	99
18) Methyl Acetate	4.49	43	165287	85.147	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	792246	102.827	ug/l	99
20) Methylene Chloride	4.72	84	325434	97.047	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	338630	104.244	ug/l	97
22) Diisopropyl ether	6.13	45	884548	101.492	ug/l	99
23) Vinyl Acetate	6.07	43	2916158	530.817	ug/l	99
24) 1,1-Dichloroethane	6.03	63	528634	102.646	ug/l	100
25) 2-Butanone	6.99	43	492684	508.113	ug/l	99
26) 2,2-Dichloropropane	6.99	77	471812	96.617	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	369398	102.655	ug/l	99
28) Bromochloromethane	7.34	49	207110	98.506	ug/l	100
29) Tetrahydrofuran	7.35	42	331357	514.053	ug/l	99
30) Chloroform	7.52	83	547364	101.790	ug/l	99
31) Cyclohexane	7.79	56	504794	97.211	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	507479	101.906	ug/l	100
36) 1,1-Dichloropropene	7.93	75	440008	102.010	ug/l	100
37) Ethyl Acetate	7.08	43	219334	98.719	ug/l	100
38) Carbon Tetrachloride	7.91	117	480898	102.070	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	595661	104.148	ug/l	99
40) Benzene	8.17	78	1291504	103.078	ug/l	100
41) Methacrylonitrile	7.33	41	139974m	117.273	ug/l	
42) 1,2-Dichloroethane	8.24	62	347513	100.120	ug/l	99
43) Isopropyl Acetate	8.28	43	427585	102.911	ug/l	100
44) Trichloroethene	8.94	130	408820	103.927	ug/l	98
45) 1,2-Dichloropropane	9.22	63	309382	102.818	ug/l	99
46) Dibromomethane	9.31	93	176924	102.161	ug/l	99
47) Bromodichloromethane	9.50	83	431072	102.272	ug/l	99
48) Methyl methacrylate	9.30	41	195506	104.111	ug/l	99
49) 1,4-Dioxane	9.30	88	50678	2214.893	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	1100558	515.742	ug/l	99
52) Toluene	10.24	92	838868	104.178	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	466564	105.711	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	533578	104.248	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	261546	103.530	ug/l	99
56) Ethyl methacrylate	10.51	69	362550	107.696	ug/l	99
57) 1,3-Dichloropropane	10.79	76	438613	102.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	860568	483.020	ug/l	100
59) 2-Hexanone	10.83	43	767512	522.321	ug/l	100
60) Dibromochloromethane	10.99	129	339218	105.078	ug/l	99
61) 1,2-Dibromoethane	11.09	107	260566	103.768	ug/l	100
64) Tetrachloroethene	10.72	164	444603	105.401	ug/l	99
65) Chlorobenzene	11.52	112	931007	103.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	353092	106.318	ug/l	100
67) Ethyl Benzene	11.59	91	1637370	104.364	ug/l	99
68) m/p-Xylenes	11.70	106	1274658	209.627	ug/l	99
69) o-Xylene	12.03	106	595223	104.279	ug/l	100
70) Styrene	12.04	104	1042937	107.008	ug/l	99
71) Bromoform	12.20	173	220361	106.968	ug/l #	99
73) Isopropylbenzene	12.33	105	1627107	103.881	ug/l	100
74) N-amyl acetate	12.14	43	400037	106.770	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	249765	101.648	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	207107m	98.301	ug/l	
77) Bromobenzene	12.61	156	409491	104.655	ug/l	99
78) n-propylbenzene	12.67	91	1872313	103.009	ug/l	100
79) 2-Chlorotoluene	12.75	91	1040835	103.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1353520	104.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	112933	106.142	ug/l #	80
82) 4-Chlorotoluene	12.85	91	1084347	102.632	ug/l	99
83) tert-Butylbenzene	13.08	119	1205073	105.787	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1357037	104.681	ug/l	100
85) sec-Butylbenzene	13.25	105	1640235	103.746	ug/l	100
86) p-Isopropyltoluene	13.37	119	1543295	104.168	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	766311	103.248	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	761340	103.678	ug/l	99
89) n-Butylbenzene	13.70	91	1386892	102.693	ug/l	99
90) Hexachloroethane	13.96	117	286001	105.602	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	683941	103.309	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	46823	101.609	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	503275	104.219	ug/l	100
94) Hexachlorobutadiene	15.11	225	299004	102.972	ug/l	99
95) Naphthalene	15.23	128	935911	106.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	425895	104.033	ug/l	99

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

