

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001132.D
 Acq On : 02 Jan 2020 12:08
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:12:18 AM

Quant Time: Jan 02 13:09:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	359065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	597047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	493408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	301289	99.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.54%	
35) Dibromofluoromethane	7.73	113	329782	93.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.66%	
50) Toluene-d8	10.18	98	1306869	105.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.74%	
62) 4-Bromofluorobenzene	12.48	95	437449	87.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	275832	105.332	ug/l	100
3) Chloromethane	2.12	50	198129	112.130	ug/l	98
4) Vinyl Chloride	2.26	62	193558	107.377	ug/l	98
5) Bromomethane	2.64	94	137785	99.129	ug/l	95
6) Chloroethane	2.79	64	152237	127.361	ug/l	99
7) Trichlorofluoromethane	3.13	101	587281	119.102	ug/l	100
8) Diethyl Ether	3.54	74	220104	138.713	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	364633	124.174	ug/l	98
10) Methyl Iodide	4.10	142	599848	132.872	ug/l	99
11) Tert butyl alcohol	4.97	59	154001	524.107	ug/l	100
12) 1,1-Dichloroethene	3.88	96	378103	125.131	ug/l	95
13) Acrolein	3.74	56	165580	813.179	ug/l	98
14) Allyl chloride	4.49	41	417582	124.086	ug/l	100
15) Acrylonitrile	5.18	53	474542	640.106	ug/l	99
16) Acetone	3.96	43	309262	587.238	ug/l	92
17) Carbon Disulfide	4.20	76	1176289	130.762	ug/l	100
18) Methyl Acetate	4.49	43	208600	125.655	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	910574	118.327	ug/l	99
20) Methylene Chloride	4.73	84	410605	105.070	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	410137	114.146	ug/l	95
22) Diisopropyl ether	6.13	45	841841	120.996	ug/l	98
23) Vinyl Acetate	6.08	43	2690953	622.344	ug/l	99
24) 1,1-Dichloroethane	6.04	63	578670	120.559	ug/l	97
25) 2-Butanone	7.00	43	476152	504.780	ug/l	98
26) 2,2-Dichloropropane	6.99	77	528590	93.933	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	438487	99.096	ug/l	99
28) Bromochloromethane	7.35	49	213411	115.865	ug/l	99
29) Tetrahydrofuran	7.36	42	324919	514.907	ug/l	98
30) Chloroform	7.52	83	609694	96.564	ug/l	93
31) Cyclohexane	7.80	56	546170	88.537	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	561034	94.514	ug/l	99
36) 1,1-Dichloropropene	7.93	75	498312	92.810	ug/l	99
37) Ethyl Acetate	7.09	43	219690	100.488	ug/l	100
38) Carbon Tetrachloride	7.91	117	512510	91.754	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	699727	94.654	ug/l	96
40) Benzene	8.17	78	1544390	93.485	ug/l	100
41) Methacrylonitrile	7.33	41	108626m	45.435	ug/l	
42) 1,2-Dichloroethane	8.25	62	369065	94.006	ug/l	99
43) Isopropyl Acetate	8.28	43	427806	99.439	ug/l	99
44) Trichloroethene	8.95	130	456276	91.680	ug/l	99
45) 1,2-Dichloropropane	9.22	63	347784	95.280	ug/l	100
46) Dibromomethane	9.31	93	209786	98.534	ug/l	97
47) Bromodichloromethane	9.50	83	477445	100.935	ug/l	98
48) Methyl methacrylate	9.30	41	183081	100.016	ug/l	99
49) 1,4-Dioxane	9.31	88	62455	1933.686	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	1072296	541.409	ug/l	99
52) Toluene	10.25	92	950146	95.335	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	488653	98.823	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	606933	105.665	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	270472	86.258	ug/l	98
56) Ethyl methacrylate	10.51	69	358340	90.830	ug/l	99
57) 1,3-Dichloropropane	10.79	76	413963	84.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	687391	480.431	ug/l	97
59) 2-Hexanone	10.83	43	600781	434.052	ug/l	98
60) Dibromochloromethane	10.99	129	299745	83.879	ug/l	99
61) 1,2-Dibromoethane	11.09	107	269821	89.412	ug/l	99
64) Tetrachloroethene	10.72	164	403822	82.161	ug/l	97
65) Chlorobenzene	11.52	112	991733	91.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	360851	94.799	ug/l	99
67) Ethyl Benzene	11.59	91	1779509	94.508	ug/l	100
68) m/p-Xylenes	11.70	106	1427151	191.391	ug/l	99
69) o-Xylene	12.03	106	669423	94.011	ug/l	98
70) Styrene	12.04	104	1158779	96.733	ug/l	99
71) Bromoform	12.20	173	228735	104.425	ug/l	98
73) Isopropylbenzene	12.33	105	1756456	95.205	ug/l	100
74) N-amyl acetate	12.14	43	361621	107.210	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	330288	103.870	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	236480m	53.284	ug/l	
77) Bromobenzene	12.61	156	426175	95.496	ug/l	98
78) n-propylbenzene	12.67	91	2093238	96.056	ug/l	99
79) 2-Chlorotoluene	12.75	91	1139883	94.041	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1468705	92.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	135634	115.518	ug/l #	80
82) 4-Chlorotoluene	12.85	91	1167223	93.566	ug/l	100
83) tert-Butylbenzene	13.07	119	1257289	93.818	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1427981	89.507	ug/l	99
85) sec-Butylbenzene	13.25	105	1745664	92.732	ug/l	99
86) p-Isopropyltoluene	13.37	119	1552368	90.431	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	775480	90.676	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	796586	93.613	ug/l	98
89) n-Butylbenzene	13.69	91	1471998	92.149	ug/l	99
90) Hexachloroethane	13.96	117	292069	93.750	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	710710	91.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	52435	90.079	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	487354	90.795	ug/l	98
94) Hexachlorobutadiene	15.11	225	241693	87.588	ug/l	99
95) Naphthalene	15.23	128	1144665	94.842	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	446641	93.639	ug/l	99

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

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