

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\
 Data File : VY000854.D
 Acq On : 04 Dec 2019 11:44
 Operator : SY/MD
 Sample : VY1204SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBS01

Manual Integrations
 APPROVED

apatel
 12/5/2019 2:58:31 PM

Quant Time: Dec 05 08:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	301226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	523128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	471746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	221377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	156269	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.72	113	145850	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.18	98	620559	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.48	95	212790	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	62616	19.310	ug/l	97
3) Chloromethane	2.11	50	82589	20.662	ug/l	99
4) Vinyl Chloride	2.25	62	79334	20.139	ug/l	94
5) Bromomethane	2.64	94	49960	19.502	ug/l	98
6) Chloroethane	2.79	64	49926	20.671	ug/l	95
7) Trichlorofluoromethane	3.12	101	110395	20.449	ug/l	93
8) Diethyl Ether	3.54	74	40281	19.824	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65186	19.553	ug/l	99
10) Methyl Iodide	4.10	142	79437	18.925	ug/l	97
11) Tert butyl alcohol	4.97	59	29304	91.000	ug/l	96
12) 1,1-Dichloroethene	3.88	96	65014	19.685	ug/l	97
13) Acrolein	3.74	56	32225	101.588	ug/l	99
14) Allyl chloride	4.49	41	113617	20.063	ug/l	100
15) Acrylonitrile	5.18	53	100514	95.798	ug/l	99
16) Acetone	3.95	43	71645	97.575	ug/l	96
17) Carbon Disulfide	4.19	76	209938	19.653	ug/l	98
18) Methyl Acetate	4.49	43	63916	20.819	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	175548	19.902	ug/l	99
20) Methylene Chloride	4.72	84	82466	21.307	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	75290	20.056	ug/l	95
22) Diisopropyl ether	6.13	45	244235	20.983	ug/l	97
23) Vinyl Acetate	6.07	43	717553	101.406	ug/l	99
24) 1,1-Dichloroethane	6.03	63	129278	20.152	ug/l	98
25) 2-Butanone	7.00	43	126526	93.283	ug/l	98
26) 2,2-Dichloropropane	6.99	77	107487	19.907	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	82250	20.269	ug/l	100
28) Bromochloromethane	7.35	49	29258	13.953	ug/l	99
29) Tetrahydrofuran	7.35	42	90981	101.225	ug/l	96
30) Chloroform	7.52	83	124299	19.314	ug/l	99
31) Cyclohexane	7.79	56	136151	20.034	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	106853	20.107	ug/l	99
36) 1,1-Dichloropropene	7.92	75	101894	19.589	ug/l	98
37) Ethyl Acetate	7.08	43	57308	19.081	ug/l	98
38) Carbon Tetrachloride	7.91	117	93242	20.129	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	131654	19.104	ug/l	98
40) Benzene	8.17	78	303919	20.059	ug/l	100
41) Methacrylonitrile	7.33	41	33555m	21.198	ug/l	
42) 1,2-Dichloroethane	8.25	62	81589	20.476	ug/l	98
43) Isopropyl Acetate	8.28	43	107576	19.007	ug/l	100
44) Trichloroethene	8.94	130	79846	20.506	ug/l	92
45) 1,2-Dichloropropane	9.22	63	78709	20.682	ug/l	97
46) Dibromomethane	9.31	93	40125	20.179	ug/l	99
47) Bromodichloromethane	9.50	83	94957	20.328	ug/l	96
48) Methyl methacrylate	9.30	41	50220	20.178	ug/l	98
49) 1,4-Dioxane	9.30	88	11286	400.575	ug/l #	88
51) 4-Methyl-2-Pentanone	10.07	43	291387	99.643	ug/l	98
52) Toluene	10.24	92	191404	20.404	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	102152	20.355	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	116222	19.593	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	58128	19.786	ug/l	96
56) Ethyl methacrylate	10.51	69	84640	20.140	ug/l	99
57) 1,3-Dichloropropane	10.79	76	103789	20.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	167943	99.109	ug/l	99
59) 2-Hexanone	10.83	43	201668	94.641	ug/l	98
60) Dibromochloromethane	10.99	129	63703	20.143	ug/l	98
61) 1,2-Dibromoethane	11.09	107	55409	20.013	ug/l	98
64) Tetrachloroethene	10.72	164	82987	20.247	ug/l	97
65) Chlorobenzene	11.52	112	194041	19.788	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	64886	19.635	ug/l	98
67) Ethyl Benzene	11.59	91	362038	19.824	ug/l	100
68) m/p-Xylenes	11.70	106	276956	40.404	ug/l	99
69) o-Xylene	12.03	106	128249	20.066	ug/l	100
70) Styrene	12.05	104	220395	20.139	ug/l	99
71) Bromoform	12.20	173	37458	20.097	ug/l #	96
73) Isopropylbenzene	12.33	105	338285	19.192	ug/l	100
74) N-amyl acetate	12.14	43	92893	18.934	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	66319	19.095	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	51564m	20.558	ug/l	
77) Bromobenzene	12.61	156	74828	19.584	ug/l	98
78) n-propylbenzene	12.67	91	418469	19.444	ug/l	100
79) 2-Chlorotoluene	12.75	91	230989	19.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	287625	19.708	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24620	19.281	ug/l	96
82) 4-Chlorotoluene	12.86	91	247405	20.197	ug/l	97
83) tert-Butylbenzene	13.08	119	241670	19.696	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	285866	19.578	ug/l	99
85) sec-Butylbenzene	13.25	105	350206	19.625	ug/l	100
86) p-Isopropyltoluene	13.37	119	305729	19.697	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	148273	19.782	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	147177	19.831	ug/l	98
89) n-Butylbenzene	13.70	91	314332	20.030	ug/l	99
90) Hexachloroethane	13.96	117	57921	20.258	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	136906	20.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10761	18.507	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	92196	20.209	ug/l	98
94) Hexachlorobutadiene	15.11	225	45715	20.211	ug/l	99
95) Naphthalene	15.23	128	205011	19.353	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	79591	19.532	ug/l	99

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

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