

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001038.D
 Acq On : 24 Dec 2019 11:37
 Operator : SY/MD
 Sample : VY1224SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1224SBS01

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:29:58 PM

Quant Time: Dec 25 03:42:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	570123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	505529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	159164	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.72	113	160847	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	10.18	98	681365	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.48	95	224035	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	59819	21.674	ug/l	96
3) Chloromethane	2.12	50	80787	21.507	ug/l	99
4) Vinyl Chloride	2.26	62	80261	22.002	ug/l	96
5) Bromomethane	2.65	94	49839	20.713	ug/l	99
6) Chloroethane	2.79	64	49359	21.725	ug/l	94
7) Trichlorofluoromethane	3.13	101	112550	21.036	ug/l	99
8) Diethyl Ether	3.54	74	46722	21.393	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	74227	21.120	ug/l	99
10) Methyl Iodide	4.10	142	95750	19.718	ug/l	100
11) Tert butyl alcohol	4.97	59	34504	100.456	ug/l	98
12) 1,1-Dichloroethene	3.88	96	74067	20.816	ug/l	97
13) Acrolein	3.74	56	38649	90.816	ug/l	98
14) Allyl chloride	4.49	41	116634	21.100	ug/l	98
15) Acrylonitrile	5.18	53	112773	103.317	ug/l	98
16) Acetone	3.96	43	77427	107.590	ug/l	93
17) Carbon Disulfide	4.19	76	238729	20.532	ug/l	100
18) Methyl Acetate	4.49	43	60290	21.837	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	190199	20.710	ug/l	99
20) Methylene Chloride	4.72	84	91143	21.517	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	83746	21.237	ug/l	97
22) Diisopropyl ether	6.13	45	242950	21.745	ug/l	97
23) Vinyl Acetate	6.07	43	750986	106.430	ug/l	99
24) 1,1-Dichloroethane	6.03	63	138438	20.967	ug/l	98
25) 2-Butanone	7.00	43	134585	106.456	ug/l	96
26) 2,2-Dichloropropane	6.99	77	115363	21.267	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	89997	20.773	ug/l	96
28) Bromochloromethane	7.35	49	51016	19.803	ug/l	98
29) Tetrahydrofuran	7.35	42	93347	103.802	ug/l	99
30) Chloroform	7.51	83	132955	21.296	ug/l	96
31) Cyclohexane	7.79	56	144832	20.860	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	109521	20.564	ug/l	98
36) 1,1-Dichloropropene	7.93	75	111907	20.575	ug/l	100
37) Ethyl Acetate	7.08	43	59606	19.792	ug/l	98
38) Carbon Tetrachloride	7.90	117	95718	20.086	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	151140	20.926	ug/l	98
40) Benzene	8.17	78	335790	20.464	ug/l	97
41) Methacrylonitrile	7.32	41	28369m	21.727	ug/l	
42) 1,2-Dichloroethane	8.24	62	80282	20.464	ug/l	99
43) Isopropyl Acetate	8.28	43	111907	20.073	ug/l	100
44) Trichloroethene	8.94	130	89628	20.731	ug/l	94
45) 1,2-Dichloropropane	9.22	63	83483	20.281	ug/l	99
46) Dibromomethane	9.31	93	43492	20.496	ug/l	98
47) Bromodichloromethane	9.50	83	99713	20.287	ug/l	98
48) Methyl methacrylate	9.30	41	50059	21.042	ug/l	95
49) 1,4-Dioxane	9.30	88	11768	379.120	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	297028	102.221	ug/l	100
52) Toluene	10.24	92	206532	20.450	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	107302	20.115	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	130085	20.280	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	65098	20.550	ug/l	98
56) Ethyl methacrylate	10.51	69	91037	20.192	ug/l	99
57) 1,3-Dichloropropane	10.79	76	117019	21.075	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	176698	101.471	ug/l	98
59) 2-Hexanone	10.83	43	200828	99.884	ug/l	100
60) Dibromochloromethane	10.98	129	67444	19.932	ug/l	99
61) 1,2-Dibromoethane	11.08	107	60605	20.007	ug/l	96
64) Tetrachloroethene	10.72	164	89996	20.575	ug/l	98
65) Chlorobenzene	11.51	112	212739	20.287	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	70491	20.370	ug/l	98
67) Ethyl Benzene	11.59	91	388820	20.615	ug/l	99
68) m/p-Xylenes	11.70	106	295498	41.262	ug/l	100
69) o-Xylene	12.02	106	140774	20.894	ug/l	98
70) Styrene	12.04	104	236798	20.670	ug/l	100
71) Bromoform	12.20	173	38820	20.147	ug/l #	98
73) Isopropylbenzene	12.33	105	367446	20.407	ug/l	99
74) N-amyl acetate	12.14	43	93039	19.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	68664	19.358	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	48146m	16.785	ug/l	
77) Bromobenzene	12.60	156	80281	19.825	ug/l	95
78) n-propylbenzene	12.67	91	449532	20.489	ug/l	98
79) 2-Chlorotoluene	12.75	91	246676	20.359	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	297626	20.166	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	26433	19.654	ug/l	99
82) 4-Chlorotoluene	12.85	91	256627	20.392	ug/l	99
83) tert-Butylbenzene	13.07	119	259598	20.954	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	301227	20.311	ug/l	99
85) sec-Butylbenzene	13.25	105	370541	20.288	ug/l	100
86) p-Isopropyltoluene	13.36	119	326496	20.659	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	158191	20.340	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	155927	19.874	ug/l	98
89) n-Butylbenzene	13.69	91	325475	20.469	ug/l	98
90) Hexachloroethane	13.95	117	59289	19.912	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	144674	20.166	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11177	18.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	97943	20.226	ug/l	99
94) Hexachlorobutadiene	15.11	225	47029	20.409	ug/l	99
95) Naphthalene	15.23	128	226148	19.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	87606	20.286	ug/l	98

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

