

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000994.D
 Acq On : 18 Dec 2019 13:04
 Operator : SY/MD
 Sample : VY1218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:10:52 AM

Quant Time: Dec 19 05:56:12 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	272570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	472885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	421661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	148114	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.72	113	147498	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.18	98	604853	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
62) 4-Bromofluorobenzene	12.48	95	204058	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	51255	17.469	ug/l	96
3) Chloromethane	2.12	50	65046	17.984	ug/l	97
4) Vinyl Chloride	2.25	62	64487	18.091	ug/l	95
5) Bromomethane	2.64	94	42407	18.222	ug/l	90
6) Chloroethane	2.79	64	41841	19.145	ug/l	97
7) Trichlorofluoromethane	3.13	101	93760	19.193	ug/l	92
8) Diethyl Ether	3.54	74	36578	19.894	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	61386	20.349	ug/l	98
10) Methyl Iodide	4.10	142	73994	19.481	ug/l	97
11) Tert butyl alcohol	4.97	59	27127	93.096	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	59461	19.896	ug/l	94
13) Acrolein	3.74	56	26203	91.288	ug/l	95
14) Allyl chloride	4.49	41	100189	19.551	ug/l	97
15) Acrylonitrile	5.18	53	89843	94.630	ug/l	98
16) Acetone	3.96	43	64666	97.329	ug/l	93
17) Carbon Disulfide	4.20	76	177386	18.352	ug/l	99
18) Methyl Acetate	4.49	43	46238	16.644	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	151386	18.967	ug/l	98
20) Methylene Chloride	4.72	84	75620	21.592	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	68131	20.057	ug/l	91
22) Diisopropyl ether	6.13	45	205629	19.524	ug/l	96
23) Vinyl Acetate	6.07	43	610292	95.315	ug/l	99
24) 1,1-Dichloroethane	6.03	63	117346	20.215	ug/l	99
25) 2-Butanone	7.00	43	106566	86.827	ug/l	98
26) 2,2-Dichloropropane	7.00	77	94387	19.319	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	74281	20.230	ug/l	99
28) Bromochloromethane	7.35	49	26789	14.095	ug/l	98
29) Tetrahydrofuran	7.36	42	74537	91.648	ug/l	99
30) Chloroform	7.52	83	110076	18.903	ug/l	99
31) Cyclohexane	7.79	56	117789	19.154	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	92346	19.204	ug/l	99
36) 1,1-Dichloropropene	7.93	75	91515	19.463	ug/l	98
37) Ethyl Acetate	7.08	43	48784	17.969	ug/l	99
38) Carbon Tetrachloride	7.91	117	80896	19.319	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	119763	19.225	ug/l	100
40) Benzene	8.17	78	280854	20.507	ug/l	98
41) Methacrylonitrile	7.34	41	36470m	25.487	ug/l	
42) 1,2-Dichloroethane	8.25	62	67288	18.682	ug/l	98
43) Isopropyl Acetate	8.28	43	89898	17.571	ug/l	97
44) Trichloroethene	8.94	130	71800	20.399	ug/l	100
45) 1,2-Dichloropropane	9.22	63	70866	20.600	ug/l	99
46) Dibromomethane	9.31	93	35420	19.706	ug/l	99
47) Bromodichloromethane	9.50	83	82045	19.430	ug/l	94
48) Methyl methacrylate	9.30	41	40199	17.868	ug/l	95
49) 1,4-Dioxane	9.30	88	9891	388.362	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	239371	90.553	ug/l	99
52) Toluene	10.24	92	175882	20.741	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	88274	19.459	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	104565	19.501	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	52942	19.936	ug/l	99
56) Ethyl methacrylate	10.51	69	70149	18.465	ug/l	99
57) 1,3-Dichloropropane	10.79	76	91694	19.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	164474	107.374	ug/l	100
59) 2-Hexanone	10.83	43	163322	84.789	ug/l	99
60) Dibromochloromethane	10.99	129	54495	19.062	ug/l	98
61) 1,2-Dibromoethane	11.09	107	47709	19.063	ug/l	98
64) Tetrachloroethene	10.72	164	75310	20.557	ug/l	98
65) Chlorobenzene	11.52	112	178158	20.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	58579	19.832	ug/l	100
67) Ethyl Benzene	11.59	91	326955	20.030	ug/l	99
68) m/p-Xylenes	11.70	106	246729	40.270	ug/l	99
69) o-Xylene	12.03	106	117214	20.518	ug/l	95
70) Styrene	12.04	104	195482	19.984	ug/l	99
71) Bromoform	12.20	173	30861	18.525	ug/l #	96
73) Isopropylbenzene	12.33	105	311962	20.032	ug/l	100
74) N-amyl acetate	12.14	43	79745	18.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57088	18.605	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	48139m	21.724	ug/l	
77) Bromobenzene	12.61	156	67022	19.854	ug/l	98
78) n-propylbenzene	12.67	91	378001	19.879	ug/l	100
79) 2-Chlorotoluene	12.75	91	205034	19.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	258115	20.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20967	18.586	ug/l	99
82) 4-Chlorotoluene	12.85	91	217782	20.123	ug/l	99
83) tert-Butylbenzene	13.07	119	214086	19.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	256854	19.911	ug/l	98
85) sec-Butylbenzene	13.25	105	315129	19.988	ug/l	100
86) p-Isopropyltoluene	13.36	119	279467	20.380	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	133969	20.231	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	135190	20.618	ug/l	99
89) n-Butylbenzene	13.69	91	281430	20.298	ug/l	99
90) Hexachloroethane	13.95	117	50785	20.104	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	122785	20.613	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	8770	17.072	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	84534	20.973	ug/l	96
94) Hexachlorobutadiene	15.11	225	43347	21.691	ug/l	98
95) Naphthalene	15.23	128	181204	19.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	74300	20.638	ug/l	99

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

