

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001062.D
 Acq On : 26 Dec 2019 11:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:04:26 AM

Quant Time: Dec 27 04:04:51 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	339708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	601484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	530095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	236503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	159378	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	7.72	113	166774	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	10.18	98	696429	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.48	95	224140	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	137875	46.577	ug/l	99
3) Chloromethane	2.12	50	166230	41.261	ug/l	96
4) Vinyl Chloride	2.26	62	168962	43.185	ug/l	98
5) Bromomethane	2.65	94	110818	44.589	ug/l	97
6) Chloroethane	2.80	64	111353	45.696	ug/l	94
7) Trichlorofluoromethane	3.13	101	279556	48.715	ug/l	99
8) Diethyl Ether	3.54	74	114236	48.767	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	192765	51.137	ug/l	98
10) Methyl Iodide	4.10	142	253277	48.631	ug/l	99
11) Tert butyl alcohol	4.97	59	81299	220.685	ug/l	97
12) 1,1-Dichloroethene	3.88	96	188878	49.492	ug/l	94
13) Acrolein	3.74	56	109677	240.282	ug/l	99
14) Allyl chloride	4.49	41	285587	48.171	ug/l	99
15) Acrylonitrile	5.18	53	295474	252.388	ug/l	99
16) Acetone	3.96	43	164007	212.484	ug/l	100
17) Carbon Disulfide	4.20	76	502779	40.317	ug/l	98
18) Methyl Acetate	4.49	43	138224	46.677	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	505791	51.349	ug/l	95
20) Methylene Chloride	4.72	84	221138	48.675	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	210654	49.806	ug/l	98
22) Diisopropyl ether	6.13	45	585191	48.833	ug/l	96
23) Vinyl Acetate	6.07	43	1832449	242.130	ug/l	98
24) 1,1-Dichloroethane	6.03	63	355100	50.144	ug/l	98
25) 2-Butanone	7.00	43	310700	229.137	ug/l	93
26) 2,2-Dichloropropane	6.99	77	298218	51.257	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	244992	52.724	ug/l	96
28) Bromochloromethane	7.35	49	130335	47.170	ug/l	91
29) Tetrahydrofuran	7.36	42	220652	228.767	ug/l	96
30) Chloroform	7.52	83	344502	51.447	ug/l	100
31) Cyclohexane	7.79	56	322729	43.339	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	292898	51.276	ug/l	98
36) 1,1-Dichloropropene	7.93	75	280413	48.869	ug/l	98
37) Ethyl Acetate	7.09	43	148034	46.592	ug/l	97
38) Carbon Tetrachloride	7.91	117	258318	51.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	361309	47.416	ug/l	96
40) Benzene	8.17	78	863502	49.882	ug/l	98
41) Methacrylonitrile	7.33	41	65197m	47.330	ug/l	
42) 1,2-Dichloroethane	8.25	62	204481	49.406	ug/l	99
43) Isopropyl Acetate	8.28	43	280655	47.717	ug/l	98
44) Trichloroethene	8.94	130	233632	51.222	ug/l	97
45) 1,2-Dichloropropane	9.22	63	218981	50.424	ug/l	99
46) Dibromomethane	9.31	93	115304	51.506	ug/l	99
47) Bromodichloromethane	9.50	83	266714	51.434	ug/l	99
48) Methyl methacrylate	9.30	41	120252	47.911	ug/l	93
49) 1,4-Dioxane	9.30	88	30279	924.614	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	731328	238.561	ug/l	98
52) Toluene	10.25	92	534126	50.130	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	287816	51.142	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	347281	51.319	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	171458	51.303	ug/l	96
56) Ethyl methacrylate	10.51	69	246944	51.917	ug/l	96
57) 1,3-Dichloropropane	10.79	76	297382	50.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	383189	208.578	ug/l	99
59) 2-Hexanone	10.83	43	516560	243.522	ug/l	98
60) Dibromochloromethane	10.99	129	190468	53.354	ug/l	100
61) 1,2-Dibromoethane	11.09	107	162764	50.929	ug/l	98
64) Tetrachloroethene	10.72	164	236936	51.659	ug/l	99
65) Chlorobenzene	11.52	112	570507	51.884	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	197026	54.297	ug/l	99
67) Ethyl Benzene	11.59	91	1024709	51.811	ug/l	100
68) m/p-Xylenes	11.70	106	783190	104.292	ug/l	99
69) o-Xylene	12.03	106	364209	51.553	ug/l	99
70) Styrene	12.04	104	641416	53.395	ug/l	99
71) Bromoform	12.20	173	110166	54.524	ug/l #	100
73) Isopropylbenzene	12.33	105	979246	53.506	ug/l	99
74) N-amyl acetate	12.14	43	244076	50.764	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	188955	52.408	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	136475m	46.809	ug/l	
77) Bromobenzene	12.61	156	220984	53.687	ug/l	97
78) n-propylbenzene	12.67	91	1183738	53.081	ug/l	99
79) 2-Chlorotoluene	12.75	91	647263	52.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	806135	53.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	74389	54.416	ug/l	97
82) 4-Chlorotoluene	12.85	91	666934	52.138	ug/l	99
83) tert-Butylbenzene	13.08	119	688411	54.666	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	793148	52.613	ug/l	99
85) sec-Butylbenzene	13.25	105	993421	53.510	ug/l	100
86) p-Isopropyltoluene	13.37	119	871558	54.255	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	421586	53.329	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	423561	53.113	ug/l	99
89) n-Butylbenzene	13.69	91	866716	53.626	ug/l	99
90) Hexachloroethane	13.96	117	167940	55.489	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	387961	53.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29740	49.302	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	264497	53.736	ug/l	99
94) Hexachlorobutadiene	15.11	225	125512	53.585	ug/l	98
95) Naphthalene	15.23	128	621499	53.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	235085	53.556	ug/l	100

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

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