

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000378.D
 Acq On : 23 Oct 2019 14:06
 Operator : SY/MD
 Sample : VY1023SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:29:52 PM

Quant Time: Oct 24 04:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	234185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	383808	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	344218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	126080	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.72	113	109740	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.18	98	449704	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.49	95	161953	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	46221	22.598	ug/l	98
3) Chloromethane	2.11	50	74063	25.881	ug/l	99
4) Vinyl Chloride	2.25	62	61860	21.419	ug/l	99
5) Bromomethane	2.63	94	36289	16.954	ug/l	99
6) Chloroethane	2.79	64	39176	21.023	ug/l	92
7) Trichlorofluoromethane	3.12	101	85798	21.718	ug/l	99
8) Diethyl Ether	3.53	74	31140	22.313	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	53590	22.368	ug/l	100
10) Methyl Iodide	4.09	142	46655	14.533	ug/l	99
11) Tert butyl alcohol	4.96	59	27036	104.581	ug/l	98
12) 1,1-Dichloroethene	3.87	96	51073	21.593	ug/l	90
13) Acrolein	3.73	56	22668	74.791	ug/l	97
14) Allyl chloride	4.48	41	83483	21.299	ug/l	99
15) Acrylonitrile	5.18	53	82664	105.824	ug/l	98
16) Acetone	3.96	43	81552	101.942	ug/l	98
17) Carbon Disulfide	4.19	76	150379	20.193	ug/l	98
18) Methyl Acetate	4.49	43	44621	22.449	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	146373	22.231	ug/l	96
20) Methylene Chloride	4.72	84	66692	21.662	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	56795	20.930	ug/l	93
22) Diisopropyl ether	6.13	45	181854	21.937	ug/l	94
23) Vinyl Acetate	6.07	43	560051	103.554	ug/l	100
24) 1,1-Dichloroethane	6.03	63	98792	21.832	ug/l	99
25) 2-Butanone	7.00	43	118131	104.826	ug/l	93
26) 2,2-Dichloropropane	6.99	77	90641	21.738	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	63240	21.537	ug/l	99
28) Bromochloromethane	7.35	49	37975	19.549	ug/l	99
29) Tetrahydrofuran	7.36	42	72377	105.976	ug/l	99
30) Chloroform	7.52	83	100418	22.036	ug/l	98
31) Cyclohexane	7.79	56	96281	20.372	ug/l #	94
32) 1,1,1-Trichloroethane	7.71	97	87331	21.556	ug/l	100
36) 1,1-Dichloropropene	7.92	75	79832	21.245	ug/l	99
37) Ethyl Acetate	7.08	43	46792	21.030	ug/l	98
38) Carbon Tetrachloride	7.91	117	79060	21.730	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	100984	20.533	ug/l	99
40) Benzene	8.17	78	231496	21.318	ug/l	98
41) Methacrylonitrile	7.32	41	21852m	20.632	ug/l	
42) 1,2-Dichloroethane	8.24	62	68697	22.146	ug/l	100
43) Isopropyl Acetate	8.28	43	90846	21.473	ug/l	99
44) Trichloroethene	8.95	130	63804	20.940	ug/l	95
45) 1,2-Dichloropropane	9.22	63	58276	21.868	ug/l	98
46) Dibromomethane	9.31	93	33378	22.405	ug/l	96
47) Bromodichloromethane	9.50	83	76599	21.818	ug/l	95
48) Methyl methacrylate	9.30	41	38461	20.744	ug/l	97
49) 1,4-Dioxane	9.31	88	8824	395.041	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	239969	109.973	ug/l	98
52) Toluene	10.25	92	149693	21.712	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	82341	21.884	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	94355	22.082	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	47302	21.838	ug/l	95
56) Ethyl methacrylate	10.51	69	66386	21.502	ug/l	98
57) 1,3-Dichloropropane	10.80	76	81224	21.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	149709	121.570	ug/l	98
59) 2-Hexanone	10.83	43	175910	114.851	ug/l	99
60) Dibromochloromethane	10.99	129	53834	22.423	ug/l	98
61) 1,2-Dibromoethane	11.09	107	46539	22.377	ug/l	99
64) Tetrachloroethene	10.72	164	69783	21.295	ug/l	96
65) Chlorobenzene	11.52	112	152990	21.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	57274	22.444	ug/l	98
67) Ethyl Benzene	11.60	91	289767	21.517	ug/l	100
68) m/p-Xylenes	11.70	106	219021	42.544	ug/l	100
69) o-Xylene	12.03	106	105704	21.523	ug/l	97
70) Styrene	12.05	104	174778	21.102	ug/l	99
71) Bromoform	12.21	173	32648	22.255	ug/l #	99
73) Isopropylbenzene	12.33	105	278173	20.989	ug/l	100
74) N-amyl acetate	12.14	43	77584	23.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	52676	21.169	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	45550m	21.794	ug/l	
77) Bromobenzene	12.61	156	65023	22.048	ug/l	93
78) n-propylbenzene	12.67	91	338375	21.265	ug/l	99
79) 2-Chlorotoluene	12.76	91	188410	21.440	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	235180	21.163	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19937	20.871	ug/l	95
82) 4-Chlorotoluene	12.86	91	197241	21.234	ug/l	99
83) tert-Butylbenzene	13.08	119	200164	21.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	237482	21.652	ug/l	100
85) sec-Butylbenzene	13.25	105	289864	21.291	ug/l	99
86) p-Isopropyltoluene	13.37	119	251732	21.209	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	125586	21.614	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	125338	21.581	ug/l	99
89) n-Butylbenzene	13.70	91	245495	20.931	ug/l	98
90) Hexachloroethane	13.96	117	45807	20.842	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	115366	21.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9824	20.817	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	82963	22.661	ug/l	98
94) Hexachlorobutadiene	15.11	225	43835	22.124	ug/l	98
95) Naphthalene	15.23	128	181046	22.159	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	75185	22.786	ug/l	99

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

