

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001346.D
 Acq On : 23 Jan 2020 12:23
 Operator : SY/MD
 Sample : VY0123SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:03:28 PM

Quant Time: Jan 24 07:27:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	209490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	357100	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	317161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	150406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	111380	48.86	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.72%	
35) Dibromofluoromethane	7.74	113	105894	50.53	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.06%	
50) Toluene-d8	10.19	98	434189	53.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.49	95	159030	49.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	36660	22.191	ug/l	97
3) Chloromethane	2.12	50	51147	20.484	ug/l	96
4) Vinyl Chloride	2.26	62	54338	20.871	ug/l	97
5) Bromomethane	2.65	94	36677	20.917	ug/l	97
6) Chloroethane	2.80	64	34248	20.586	ug/l	99
7) Trichlorofluoromethane	3.14	101	71076	21.337	ug/l	98
8) Diethyl Ether	3.55	74	26021	18.505	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	45046	21.234	ug/l	98
10) Methyl Iodide	4.11	142	51689	18.474	ug/l	99
11) Tert butyl alcohol	4.98	59	30983	96.182	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	45322	20.376	ug/l	95
13) Acrolein	3.75	56	19325	106.908	ug/l	99
14) Allyl chloride	4.50	41	80654	20.334	ug/l	99
15) Acrylonitrile	5.19	53	65858	91.495	ug/l	99
16) Acetone	3.97	43	59499	94.364	ug/l	95
17) Carbon Disulfide	4.21	76	145267	20.766	ug/l	99
18) Methyl Acetate	4.50	43	34446	17.919	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	122166	18.758	ug/l	98
20) Methylene Chloride	4.74	84	56076	17.135	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	50912	19.705	ug/l	97
22) Diisopropyl ether	6.13	45	160198	19.019	ug/l	98
23) Vinyl Acetate	6.08	43	511983	93.629	ug/l	99
24) 1,1-Dichloroethane	6.04	63	87426	19.692	ug/l	99
25) 2-Butanone	7.00	43	94364	95.107	ug/l	100
26) 2,2-Dichloropropane	7.00	77	79413	20.081	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	56590	19.598	ug/l	98
28) Bromochloromethane	7.35	49	31984	17.469	ug/l	99
29) Tetrahydrofuran	7.36	42	58925	91.286	ug/l	98
30) Chloroform	7.52	83	85570	19.664	ug/l	97
31) Cyclohexane	7.80	56	91901	20.849	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	73728	20.066	ug/l	99
36) 1,1-Dichloropropene	7.93	75	70924	21.023	ug/l	99
37) Ethyl Acetate	7.09	43	38915	18.879	ug/l	99
38) Carbon Tetrachloride	7.91	117	64324	21.393	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	93089	21.539	ug/l	96
40) Benzene	8.17	78	209582	20.718	ug/l	99
41) Methacrylonitrile	7.35	41	25120m	23.616	ug/l	
42) 1,2-Dichloroethane	8.25	62	55163	19.516	ug/l	100
43) Isopropyl Acetate	8.28	43	77812	19.414	ug/l	99
44) Trichloroethene	8.95	130	53210	20.498	ug/l	99
45) 1,2-Dichloropropane	9.23	63	52085	20.368	ug/l	95
46) Dibromomethane	9.31	93	27001	19.668	ug/l	99
47) Bromodichloromethane	9.51	83	66313	20.206	ug/l	99
48) Methyl methacrylate	9.30	41	33716	18.504	ug/l	98
49) 1,4-Dioxane	9.31	88	7994	412.916	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	196243	95.075	ug/l	100
52) Toluene	10.25	92	130886	20.411	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	71437	19.639	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	84259	20.181	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	39423	19.456	ug/l	98
56) Ethyl methacrylate	10.52	69	58347	19.051	ug/l	98
57) 1,3-Dichloropropane	10.80	76	69635	19.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	103922	98.061	ug/l	100
59) 2-Hexanone	10.84	43	140969	98.103	ug/l	100
60) Dibromochloromethane	10.99	129	44583	19.672	ug/l	99
61) 1,2-Dibromoethane	11.10	107	37865	19.767	ug/l	99
64) Tetrachloroethene	10.72	164	41887	20.676	ug/l	99
65) Chlorobenzene	11.52	112	134513	20.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	46170	20.237	ug/l	99
67) Ethyl Benzene	11.60	91	252775	20.517	ug/l	99
68) m/p-Xylenes	11.71	106	190735	41.451	ug/l	99
69) o-Xylene	12.03	106	90356	20.412	ug/l	98
70) Styrene	12.05	104	156530	20.154	ug/l	100
71) Bromoform	12.22	173	25964	19.065	ug/l #	99
73) Isopropylbenzene	12.34	105	245406	20.677	ug/l	100
74) N-amyl acetate	12.15	43	75151	19.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	49024	19.287	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	29143m	16.080	ug/l	
77) Bromobenzene	12.62	156	51934	19.756	ug/l	98
78) n-propylbenzene	12.68	91	298074	20.866	ug/l	100
79) 2-Chlorotoluene	12.77	91	164021	20.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	204122	20.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18194	18.997	ug/l	98
82) 4-Chlorotoluene	12.86	91	175426	20.124	ug/l	100
83) tert-Butylbenzene	13.08	119	172346	20.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	204050	20.516	ug/l	100
85) sec-Butylbenzene	13.26	105	252318	21.267	ug/l	99
86) p-Isopropyltoluene	13.38	119	222681	21.298	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	104032	20.549	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	104302	20.291	ug/l	99
89) n-Butylbenzene	13.70	91	224736	21.358	ug/l	99
90) Hexachloroethane	13.97	117	41385	20.882	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	94696	20.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8416	19.188	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	63530	20.274	ug/l	100
94) Hexachlorobutadiene	15.12	225	32711	21.438	ug/l	99
95) Naphthalene	15.24	128	139424	19.458	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	55787	20.295	ug/l	100

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

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