

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001794.D
 Acq On : 28 Feb 2020 11:02
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:54 AM

Quant Time: Feb 28 13:13:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	175025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	313028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	281534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	93428	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.74	113	88456	49.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.19	98	363176	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.49	95	129422	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29540	17.314	ug/l	97
3) Chloromethane	2.12	50	42810	18.656	ug/l	98
4) Vinyl Chloride	2.26	62	42587	18.400	ug/l	94
5) Bromomethane	2.66	94	28923	19.994	ug/l	98
6) Chloroethane	2.80	64	27519	19.294	ug/l	93
7) Trichlorofluoromethane	3.14	101	60245	20.337	ug/l	99
8) Diethyl Ether	3.54	74	24037	20.583	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39730	21.338	ug/l	97
10) Methyl Iodide	4.11	142	42914	18.832	ug/l	99
11) Tert butyl alcohol	4.98	59	26204	105.508	ug/l	96
12) 1,1-Dichloroethene	3.90	96	38051	20.037	ug/l	93
13) Acrolein	3.75	56	14772	77.691	ug/l	99
14) Allyl chloride	4.50	41	69320	20.510	ug/l	99
15) Acrylonitrile	5.19	53	63686	106.393	ug/l	99
16) Acetone	3.97	43	58210	89.359	ug/l	98
17) Carbon Disulfide	4.21	76	116466	18.370	ug/l	99
18) Methyl Acetate	4.50	43	33240	23.431	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	107108	20.257	ug/l	96
20) Methylene Chloride	4.74	84	49160	21.246	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	43056	19.872	ug/l	96
22) Diisopropyl ether	6.14	45	144429	20.809	ug/l	97
23) Vinyl Acetate	6.08	43	450873	99.588	ug/l	99
24) 1,1-Dichloroethane	6.04	63	77162	20.800	ug/l	100
25) 2-Butanone	7.01	43	87101	98.428	ug/l	97
26) 2,2-Dichloropropane	7.01	77	66617	20.640	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	48509	20.283	ug/l	98
28) Bromochloromethane	7.36	49	30880	19.983	ug/l	100
29) Tetrahydrofuran	7.37	42	55226	103.252	ug/l	98
30) Chloroform	7.53	83	72316	19.951	ug/l	100
31) Cyclohexane	7.80	56	78528	19.854	ug/l #	91
32) 1,1,1-Trichloroethane	7.72	97	60873	19.981	ug/l	98
36) 1,1-Dichloropropene	7.94	75	60379	20.193	ug/l	99
37) Ethyl Acetate	7.10	43	36617	20.518	ug/l	98
38) Carbon Tetrachloride	7.92	117	52789	20.100	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78048	19.675	ug/l	98
40) Benzene	8.17	78	183259	20.840	ug/l	99
41) Methacrylonitrile	7.34	41	17823m	19.890	ug/l	
42) 1,2-Dichloroethane	8.25	62	48223	20.129	ug/l	99
43) Isopropyl Acetate	8.29	43	67981	20.077	ug/l	99
44) Trichloroethene	8.96	130	43814	19.959	ug/l	99
45) 1,2-Dichloropropane	9.23	63	45947	20.863	ug/l	93
46) Dibromomethane	9.31	93	23653	20.534	ug/l	98
47) Bromodichloromethane	9.51	83	56438	20.301	ug/l	98
48) Methyl methacrylate	9.30	41	30244	19.750	ug/l	99
49) 1,4-Dioxane	9.31	88	6482	398.417	ug/l #	77
51) 4-Methyl-2-Pentanone	10.08	43	179256	103.038	ug/l	99
52) Toluene	10.25	92	111111	20.256	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	60731	19.760	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	72253	20.426	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	35844	21.103	ug/l	97
56) Ethyl methacrylate	10.52	69	51598	20.250	ug/l	99
57) 1,3-Dichloropropane	10.80	76	62805	20.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	137249	134.383	ug/l	99
59) 2-Hexanone	10.85	43	128435	98.393	ug/l	98
60) Dibromochloromethane	10.99	129	37438	19.992	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32422	20.188	ug/l	97
64) Tetrachloroethene	10.73	164	37161	21.026	ug/l	97
65) Chlorobenzene	11.53	112	114946	20.450	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	38497	20.304	ug/l	100
67) Ethyl Benzene	11.60	91	213918	20.508	ug/l	99
68) m/p-Xylenes	11.71	106	160210	41.117	ug/l	99
69) o-Xylene	12.04	106	74817	20.197	ug/l	99
70) Styrene	12.05	104	129916	20.180	ug/l	99
71) Bromoform	12.22	173	21093	19.466	ug/l #	99
73) Isopropylbenzene	12.34	105	204054	20.283	ug/l	99
74) N-amyl acetate	12.16	43	62866	19.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44451	20.693	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31175m	20.579	ug/l	
77) Bromobenzene	12.62	156	43888	20.124	ug/l	97
78) n-propylbenzene	12.68	91	252841	20.636	ug/l	100
79) 2-Chlorotoluene	12.77	91	140005	20.373	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	167386	20.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16111	20.177	ug/l	94
82) 4-Chlorotoluene	12.86	91	145354	20.054	ug/l	98
83) tert-Butylbenzene	13.09	119	143449	20.595	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	170058	20.483	ug/l	100
85) sec-Butylbenzene	13.27	105	209990	20.499	ug/l	99
86) p-Isopropyltoluene	13.38	119	182282	20.483	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	86909	20.548	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	85870	20.084	ug/l	99
89) n-Butylbenzene	13.71	91	185749	20.427	ug/l	99
90) Hexachloroethane	13.97	117	33375	19.905	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	77997	19.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6764	19.080	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	50531	19.535	ug/l	99
94) Hexachlorobutadiene	15.12	225	24207	18.817	ug/l	98
95) Naphthalene	15.25	128	115749	19.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	44711	19.647	ug/l	99

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

