

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002845.D
 Acq On : 05 Jun 2020 13:52
 Operator : SY/MD
 Sample : VY0605SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:28:05 AM

Quant Time: Jun 06 08:09:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	459206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	422184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	134180	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.72	113	140045	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.18	98	546498	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.48	95	189436	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	45387	21.222	ug/l	99
3) Chloromethane	2.12	50	52153	22.046	ug/l	96
4) Vinyl Chloride	2.26	62	57766	23.103	ug/l	99
5) Bromomethane	2.65	94	40917	21.837	ug/l	99
6) Chloroethane	2.80	64	36018	22.221	ug/l	99
7) Trichlorofluoromethane	3.13	101	96224	21.729	ug/l	97
8) Diethyl Ether	3.54	74	35187	20.349	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	60513	23.015	ug/l	98
10) Methyl Iodide	4.10	142	75473	20.514	ug/l	100
11) Tert butyl alcohol	4.97	59	31261	100.117	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58408	22.089	ug/l	90
13) Acrolein	3.74	56	26833	84.843	ug/l	100
14) Allyl chloride	4.49	41	85941	22.662	ug/l	100
15) Acrylonitrile	5.18	53	85436	109.522	ug/l	99
16) Acetone	3.96	43	68212	107.789	ug/l	99
17) Carbon Disulfide	4.20	76	168877	21.135	ug/l	97
18) Methyl Acetate	4.49	43	39735	24.530	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	159075	21.792	ug/l	100
20) Methylene Chloride	4.72	84	71756	23.203	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	65183	21.920	ug/l	98
22) Diisopropyl ether	6.13	45	178313	22.626	ug/l	97
23) Vinyl Acetate	6.07	43	575820	110.669	ug/l	98
24) 1,1-Dichloroethane	6.02	63	102822	22.304	ug/l	99
25) 2-Butanone	7.00	43	104178	105.663	ug/l	99
26) 2,2-Dichloropropane	6.99	77	95668	21.638	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	72740	21.851	ug/l	99
28) Bromochloromethane	7.34	49	43372	22.918	ug/l	98
29) Tetrahydrofuran	7.36	42	68776	107.241	ug/l	100
30) Chloroform	7.52	83	107857	22.048	ug/l	96
31) Cyclohexane	7.79	56	99937	21.834	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	98978	21.713	ug/l	99
36) 1,1-Dichloropropene	7.93	75	84175	21.761	ug/l	100
37) Ethyl Acetate	7.08	43	46987	22.326	ug/l	99
38) Carbon Tetrachloride	7.90	117	92963	21.633	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	110148	21.603	ug/l	98
40) Benzene	8.17	78	249737	21.850	ug/l	99
41) Methacrylonitrile	7.33	41	28439m	25.153	ug/l	
42) 1,2-Dichloroethane	8.24	62	69476	21.689	ug/l	100
43) Isopropyl Acetate	8.28	43	85242	21.373	ug/l	99
44) Trichloroethene	8.94	130	77619	21.499	ug/l	98
45) 1,2-Dichloropropane	9.22	63	60953	22.237	ug/l	100
46) Dibromomethane	9.31	93	34999	21.500	ug/l	99
47) Bromodichloromethane	9.50	83	84256	21.955	ug/l	97
48) Methyl methacrylate	9.30	41	38783	21.541	ug/l	98
49) 1,4-Dioxane	9.30	88	10630	425.284	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	228646	108.266	ug/l	99
52) Toluene	10.24	92	162997	21.799	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	91185	21.754	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	103546	21.801	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	54518	21.876	ug/l	97
56) Ethyl methacrylate	10.51	69	72594	21.747	ug/l	100
57) 1,3-Dichloropropane	10.79	76	88875	21.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	177252	108.673	ug/l	99
59) 2-Hexanone	10.83	43	163099	108.846	ug/l	99
60) Dibromochloromethane	10.99	129	68208	21.587	ug/l	99
61) 1,2-Dibromoethane	11.09	107	52737	21.452	ug/l	99
64) Tetrachloroethene	10.72	164	80501	20.980	ug/l	97
65) Chlorobenzene	11.52	112	182853	21.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69737	22.190	ug/l	98
67) Ethyl Benzene	11.60	91	318601	22.024	ug/l	99
68) m/p-Xylenes	11.70	106	246262	43.906	ug/l	100
69) o-Xylene	12.03	106	115933	21.895	ug/l	99
70) Styrene	12.05	104	199241	21.706	ug/l	99
71) Bromoform	12.21	173	45506	21.640	ug/l	# 99
73) Isopropylbenzene	12.33	105	320482	21.586	ug/l	99
74) N-amyl acetate	12.14	43	81551	21.408	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	58735	22.548	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	45985m	22.028	ug/l	
77) Bromobenzene	12.61	156	81764	21.150	ug/l	99
78) n-propylbenzene	12.67	91	372796	21.738	ug/l	100
79) 2-Chlorotoluene	12.75	91	205271	21.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	266931	21.533	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23079	20.829	ug/l	98
82) 4-Chlorotoluene	12.85	91	217479	21.577	ug/l	99
83) tert-Butylbenzene	13.08	119	238781	21.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	267685	21.476	ug/l	100
85) sec-Butylbenzene	13.25	105	327422	21.656	ug/l	100
86) p-Isopropyltoluene	13.37	119	305286	21.700	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	156652	21.393	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	157718	21.531	ug/l	99
89) n-Butylbenzene	13.70	91	278865	21.833	ug/l	100
90) Hexachloroethane	13.96	117	57122	21.689	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	142475	21.454	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10390	20.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	109893	21.954	ug/l	100
94) Hexachlorobutadiene	15.11	225	63141	22.240	ug/l	98
95) Naphthalene	15.23	128	212086	21.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	96538	21.597	ug/l	99

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

