

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000722.D
 Acq On : 18 Nov 2019 13:28
 Operator : SY/MD
 Sample : VY1118SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:31 PM

Quant Time: Nov 18 13:47:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	372501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	334985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	125134	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.73	113	112470	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.18	98	449466	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
62) 4-Bromofluorobenzene	12.48	95	161069	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40680	18.252	ug/l	99
3) Chloromethane	2.12	50	53543	17.439	ug/l	98
4) Vinyl Chloride	2.25	62	52160	18.294	ug/l	90
5) Bromomethane	2.63	94	38969	22.793	ug/l	97
6) Chloroethane	2.79	64	34269	19.204	ug/l	91
7) Trichlorofluoromethane	3.12	101	78583	20.409	ug/l	97
8) Diethyl Ether	3.53	74	27585	20.162	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	46962	20.174	ug/l	94
10) Methyl Iodide	4.09	142	46940	17.539	ug/l	98
11) Tert butyl alcohol	4.96	59	20285	88.936	ug/l #	89
12) 1,1-Dichloroethene	3.87	96	45201	19.986	ug/l	97
13) Acrolein	3.73	56	14747	74.227	ug/l	98
14) Allyl chloride	4.49	41	75237	20.459	ug/l	100
15) Acrylonitrile	5.17	53	70716	100.899	ug/l	99
16) Acetone	3.95	43	51399	79.592	ug/l	96
17) Carbon Disulfide	4.19	76	131069	18.375	ug/l	98
18) Methyl Acetate	4.48	43	36311	18.084	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	120887	19.225	ug/l	99
20) Methylene Chloride	4.72	84	53379	19.291	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	50179	19.626	ug/l	99
22) Diisopropyl ether	6.13	45	160531	20.083	ug/l	98
23) Vinyl Acetate	6.07	43	510549	101.184	ug/l	97
24) 1,1-Dichloroethane	6.03	63	88438	20.423	ug/l	97
25) 2-Butanone	7.00	43	90114	87.436	ug/l	96
26) 2,2-Dichloropropane	6.99	77	79134	19.997	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	56817	20.322	ug/l	99
28) Bromochloromethane	7.35	49	23206	14.881	ug/l	98
29) Tetrahydrofuran	7.36	42	62406	98.979	ug/l	98
30) Chloroform	7.52	83	93679	21.385	ug/l	91
31) Cyclohexane	7.80	56	86716	19.120	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	77942	19.964	ug/l	98
36) 1,1-Dichloropropene	7.93	75	71511	20.307	ug/l	99
37) Ethyl Acetate	7.09	43	40976	19.599	ug/l	97
38) Carbon Tetrachloride	7.91	117	68879	20.328	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	89199	19.607	ug/l	92
40) Benzene	8.17	78	206879	20.038	ug/l	99
41) Methacrylonitrile	7.32	41	17150m	14.704	ug/l	
42) 1,2-Dichloroethane	8.25	62	62390	21.307	ug/l	98
43) Isopropyl Acetate	8.28	43	77443	19.719	ug/l	100
44) Trichloroethene	8.95	130	56168	20.634	ug/l	89
45) 1,2-Dichloropropane	9.22	63	53042	20.875	ug/l	93
46) Dibromomethane	9.31	93	27968	20.014	ug/l	97
47) Bromodichloromethane	9.50	83	67564	20.376	ug/l	92
48) Methyl methacrylate	9.30	41	36096	21.035	ug/l	92
49) 1,4-Dioxane	9.30	88	7729	410.959	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	203461	97.439	ug/l	99
52) Toluene	10.25	92	130428	19.982	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	70977	20.033	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	81443	20.066	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	39851	19.716	ug/l	96
56) Ethyl methacrylate	10.51	69	55670	19.433	ug/l	97
57) 1,3-Dichloropropane	10.79	76	72692	20.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	127632	98.549	ug/l	100
59) 2-Hexanone	10.83	43	139549	91.726	ug/l	100
60) Dibromochloromethane	10.99	129	45475	19.643	ug/l	98
61) 1,2-Dibromoethane	11.09	107	39290	20.217	ug/l	99
64) Tetrachloroethene	10.72	164	55408	20.003	ug/l	96
65) Chlorobenzene	11.52	112	137612	20.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	46815	19.875	ug/l	98
67) Ethyl Benzene	11.59	91	259196	20.736	ug/l	97
68) m/p-Xylenes	11.70	106	194095	40.120	ug/l	96
69) o-Xylene	12.03	106	92776	20.405	ug/l	96
70) Styrene	12.04	104	154919	19.898	ug/l	99
71) Bromoform	12.20	173	26142	19.296	ug/l #	98
73) Isopropylbenzene	12.33	105	243768	20.143	ug/l	99
74) N-amyl acetate	12.14	43	68625	19.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48129	20.086	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	40779m	21.872	ug/l	
77) Bromobenzene	12.61	156	56168	20.467	ug/l	98
78) n-propylbenzene	12.67	91	304364	20.844	ug/l	99
79) 2-Chlorotoluene	12.75	91	166162	20.498	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	210030	20.838	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	16438	19.768	ug/l	96
82) 4-Chlorotoluene	12.85	91	177083	21.074	ug/l	96
83) tert-Butylbenzene	13.07	119	172887	20.089	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	206375	20.565	ug/l	100
85) sec-Butylbenzene	13.25	105	257720	21.020	ug/l	100
86) p-Isopropyltoluene	13.37	119	226832	20.758	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	110900	20.631	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	110626	20.595	ug/l	99
89) n-Butylbenzene	13.69	91	226234	20.991	ug/l	99
90) Hexachloroethane	13.95	117	41061	20.325	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	98454	20.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8400	19.808	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	68391	20.595	ug/l	100
94) Hexachlorobutadiene	15.11	225	36209	21.153	ug/l	97
95) Naphthalene	15.23	128	149719	20.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60430	20.283	ug/l	98

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

