

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001170.D
 Acq On : 13 Jan 2020 11:15
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

apatel
 1/14/2020 12:47:21 PM

Quant Time: Jan 14 10:36:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	197430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	336827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	301114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	108896	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.72	113	103540	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.18	98	421150	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
62) 4-Bromofluorobenzene	12.48	95	161208	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32830	21.652	ug/l	100
3) Chloromethane	2.12	50	47847	21.892	ug/l	99
4) Vinyl Chloride	2.25	62	48138	21.863	ug/l	97
5) Bromomethane	2.64	94	28339	23.961	ug/l	91
6) Chloroethane	2.79	64	28548	22.443	ug/l	97
7) Trichlorofluoromethane	3.13	101	62743	20.472	ug/l	97
8) Diethyl Ether	3.53	74	24829	20.849	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	41915	21.247	ug/l	99
10) Methyl Iodide	4.09	142	52682	19.510	ug/l	98
11) Tert butyl alcohol	4.97	59	24264	115.653	ug/l	98
12) 1,1-Dichloroethene	3.88	96	42227	20.922	ug/l	100
13) Acrolein	3.73	56	22406	118.630	ug/l	96
14) Allyl chloride	4.48	41	70159	20.596	ug/l	99
15) Acrylonitrile	5.17	53	61726	103.638	ug/l	100
16) Acetone	3.96	43	48343	99.826	ug/l	100
17) Carbon Disulfide	4.19	76	138440	21.193	ug/l	97
18) Methyl Acetate	4.48	43	31028	19.379	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	114141	20.445	ug/l	100
20) Methylene Chloride	4.72	84	51113	19.252	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	46785	20.443	ug/l	97
22) Diisopropyl ether	6.13	45	138970	19.974	ug/l	99
23) Vinyl Acetate	6.07	43	460727	103.543	ug/l	99
24) 1,1-Dichloroethane	6.02	63	79375	20.839	ug/l	99
25) 2-Butanone	6.99	43	80771	107.166	ug/l	100
26) 2,2-Dichloropropane	6.99	77	72365	20.660	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	52609	20.979	ug/l	99
28) Bromochloromethane	7.33	49	29584	18.914	ug/l	98
29) Tetrahydrofuran	7.35	42	54509	105.533	ug/l	99
30) Chloroform	7.51	83	75818	20.315	ug/l	95
31) Cyclohexane	7.79	56	82208	20.384	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	67504	20.385	ug/l	99
36) 1,1-Dichloropropene	7.92	75	63313	20.623	ug/l	99
37) Ethyl Acetate	7.08	43	36724	20.383	ug/l	98
38) Carbon Tetrachloride	7.91	117	58474	20.783	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	87078	20.922	ug/l	98
40) Benzene	8.16	78	186490	20.810	ug/l	99
41) Methacrylonitrile	7.33	41	19769m	23.359	ug/l	
42) 1,2-Dichloroethane	8.24	62	50563	20.150	ug/l	98
43) Isopropyl Acetate	8.28	43	70681	20.516	ug/l	100
44) Trichloroethene	8.94	130	49882	21.362	ug/l	96
45) 1,2-Dichloropropane	9.22	63	46004	20.765	ug/l	100
46) Dibromomethane	9.31	93	25026	20.703	ug/l	99
47) Bromodichloromethane	9.50	83	61158	20.760	ug/l	98
48) Methyl methacrylate	9.29	41	33984	21.316	ug/l	99
49) 1,4-Dioxane	9.30	88	6838	464.510	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	180434	103.216	ug/l	99
52) Toluene	10.24	92	120855	21.145	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	67547	20.491	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	76806	20.665	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	37524	20.939	ug/l	95
56) Ethyl methacrylate	10.51	69	55956	20.413	ug/l	99
57) 1,3-Dichloropropane	10.79	76	64696	21.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	104842	108.744	ug/l	100
59) 2-Hexanone	10.83	43	128864	105.183	ug/l	100
60) Dibromochloromethane	10.99	129	42355	20.528	ug/l	98
61) 1,2-Dibromoethane	11.09	107	36371	20.786	ug/l	100
64) Tetrachloroethene	10.72	164	40438	20.833	ug/l	96
65) Chlorobenzene	11.52	112	125265	20.819	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	44021	21.228	ug/l	100
67) Ethyl Benzene	11.59	91	231717	21.053	ug/l	99
68) m/p-Xylenes	11.70	106	177297	42.702	ug/l	99
69) o-Xylene	12.03	106	83791	21.049	ug/l	98
70) Styrene	12.04	104	146441	20.966	ug/l	98
71) Bromoform	12.20	173	26505	20.726	ug/l #	99
73) Isopropylbenzene	12.33	105	221756	20.523	ug/l	99
74) N-amyl acetate	12.14	43	67926	20.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	46420	20.419	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	32384m	21.047	ug/l	
77) Bromobenzene	12.61	156	49714	20.822	ug/l	96
78) n-propylbenzene	12.67	91	268243	20.639	ug/l	100
79) 2-Chlorotoluene	12.75	91	152679	20.455	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	188452	20.903	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	18019	19.859	ug/l #	100
82) 4-Chlorotoluene	12.85	91	160857	20.186	ug/l	97
83) tert-Butylbenzene	13.08	119	162606	21.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	188646	21.071	ug/l	99
85) sec-Butylbenzene	13.25	105	229825	21.089	ug/l	98
86) p-Isopropyltoluene	13.37	119	205252	21.692	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	97157	21.517	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	98827	21.266	ug/l	99
89) n-Butylbenzene	13.69	91	205561	21.570	ug/l	99
90) Hexachloroethane	13.96	117	39090	21.143	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	89946	21.434	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8586	20.938	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	61122	22.107	ug/l	100
94) Hexachlorobutadiene	15.11	225	31248	22.434	ug/l	99
95) Naphthalene	15.23	128	135939	21.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	53067	21.778	ug/l	99

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

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