

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001171.D
 Acq On : 13 Jan 2020 11:36
 Operator : SY/MD
 Sample : VY0113SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 3:52:47 PM

Quant Time: Jan 14 13:09:47 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	203600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	351301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	103692	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.73	113	99273	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	10.18	98	406359	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.48	95	153977	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34965	22.361	ug/l	100
3) Chloromethane	2.12	50	63853	28.331	ug/l	100
4) Vinyl Chloride	2.26	62	50710	22.333	ug/l	98
5) Bromomethane	2.65	94	29282	24.008	ug/l	95
6) Chloroethane	2.80	64	29743	22.674	ug/l	100
7) Trichlorofluoromethane	3.13	101	66181	20.940	ug/l	97
8) Diethyl Ether	3.54	74	25330	20.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	43020	21.146	ug/l	99
10) Methyl Iodide	4.10	142	57446	20.630	ug/l	100
11) Tert butyl alcohol	4.98	59	23894	110.438	ug/l	99
12) 1,1-Dichloroethene	3.88	96	43737	21.013	ug/l	97
13) Acrolein	3.74	56	22433	115.174	ug/l	96
14) Allyl chloride	4.49	41	72073	20.517	ug/l	99
15) Acrylonitrile	5.18	53	63408	103.236	ug/l	99
16) Acetone	3.96	43	49410	98.937	ug/l	98
17) Carbon Disulfide	4.20	76	143859	21.355	ug/l	99
18) Methyl Acetate	4.49	43	32613	19.752	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	119140	20.694	ug/l	97
20) Methylene Chloride	4.74	84	54235	19.988	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	49607	21.019	ug/l	99
22) Diisopropyl ether	6.13	45	146221	20.379	ug/l	98
23) Vinyl Acetate	6.08	43	480642	104.745	ug/l	100
24) 1,1-Dichloroethane	6.04	63	81619	20.779	ug/l	100
25) 2-Butanone	7.00	43	82519	106.168	ug/l	99
26) 2,2-Dichloropropane	7.00	77	74180	20.537	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	54251	20.978	ug/l	99
28) Bromochloromethane	7.35	49	28571	17.713	ug/l	99
29) Tetrahydrofuran	7.36	42	55320	103.858	ug/l	99
30) Chloroform	7.52	83	79609	20.684	ug/l	100
31) Cyclohexane	7.80	56	85216	20.490	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	70001	20.499	ug/l	99
36) 1,1-Dichloropropene	7.93	75	66901	20.894	ug/l	100
37) Ethyl Acetate	7.09	43	36931	19.653	ug/l	98
38) Carbon Tetrachloride	7.91	117	60614	20.656	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91786	21.145	ug/l	99
40) Benzene	8.17	78	195924	20.962	ug/l	100
41) Methacrylonitrile	7.33	41	16147m	18.293	ug/l	
42) 1,2-Dichloroethane	8.25	62	53488	20.438	ug/l	98
43) Isopropyl Acetate	8.28	43	73806	20.540	ug/l	100
44) Trichloroethene	8.94	130	50997	20.940	ug/l	99
45) 1,2-Dichloropropane	9.22	63	48139	20.834	ug/l	98
46) Dibromomethane	9.31	93	25726	20.406	ug/l	97
47) Bromodichloromethane	9.50	83	62483	20.336	ug/l	99
48) Methyl methacrylate	9.30	41	33635	20.228	ug/l	99
49) 1,4-Dioxane	9.30	88	6762	440.422	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	187238	102.695	ug/l	100
52) Toluene	10.25	92	124965	20.963	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	70960	20.639	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	79682	20.556	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	39202	20.974	ug/l	99
56) Ethyl methacrylate	10.51	69	58755	20.551	ug/l	99
57) 1,3-Dichloropropane	10.79	76	67376	20.998	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	102028	101.466	ug/l	100
59) 2-Hexanone	10.83	43	133376	104.380	ug/l	100
60) Dibromochloromethane	10.99	129	44745	20.793	ug/l	98
61) 1,2-Dibromoethane	11.09	107	37621	20.614	ug/l	99
64) Tetrachloroethene	10.72	164	41713	20.865	ug/l	96
65) Chlorobenzene	11.52	112	129980	20.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	44531	20.850	ug/l	98
67) Ethyl Benzene	11.59	91	240332	21.201	ug/l	99
68) m/p-Xylenes	11.70	106	182502	42.678	ug/l	99
69) o-Xylene	12.03	106	86897	21.194	ug/l	98
70) Styrene	12.04	104	152648	21.219	ug/l	98
71) Bromoform	12.20	173	27339	20.756	ug/l #	98
73) Isopropylbenzene	12.33	105	232177	20.603	ug/l	99
74) N-amyl acetate	12.14	43	71008	20.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48370	20.401	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	32935m	20.524	ug/l	
77) Bromobenzene	12.61	156	52504	21.085	ug/l	96
78) n-propylbenzene	12.67	91	278670	20.558	ug/l	100
79) 2-Chlorotoluene	12.75	91	159748	20.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	197901	21.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	18798	19.865	ug/l #	99
82) 4-Chlorotoluene	12.85	91	166544	20.039	ug/l	98
83) tert-Butylbenzene	13.07	119	162805	20.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	196561	21.051	ug/l	100
85) sec-Butylbenzene	13.25	105	238699	21.001	ug/l	99
86) p-Isopropyltoluene	13.37	119	214420	21.727	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	101458	21.544	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	101765	20.997	ug/l	100
89) n-Butylbenzene	13.69	91	209472	21.075	ug/l	99
90) Hexachloroethane	13.95	117	39414	20.440	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	92478	21.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8504	19.884	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	62451	21.657	ug/l	99
94) Hexachlorobutadiene	15.11	225	31348	21.579	ug/l	98
95) Naphthalene	15.23	128	141837	21.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	54195	21.325	ug/l	98

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

