

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003230.D
 Acq On : 20 Jul 2020 14:40
 Operator : SY/MD
 Sample : VY0720SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/21/2020 4:58:51 PM

Quant Time: Jul 21 04:27:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	410541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	603740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	556633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	299069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	179905	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.72	113	163713	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.18	98	607166	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.48	95	223314	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65848	22.378	ug/l	99
3) Chloromethane	2.12	50	94332	23.112	ug/l	99
4) Vinyl Chloride	2.26	62	91144	21.765	ug/l	97
5) Bromomethane	2.65	94	67404	21.670	ug/l	97
6) Chloroethane	2.79	64	56142	20.412	ug/l	94
7) Trichlorofluoromethane	3.13	101	126469	21.147	ug/l	95
8) Diethyl Ether	3.54	74	43346	21.630	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	72343	20.029	ug/l	97
10) Methyl Iodide	4.10	142	65056	16.579	ug/l	98
11) Tert butyl alcohol	4.97	59	41655	111.172	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	71318	20.876	ug/l	94
13) Acrolein	3.74	56	30660	94.275	ug/l	98
14) Allyl chloride	4.48	41	121415	23.952	ug/l	95
15) Acrylonitrile	5.17	53	110248	114.527	ug/l	97
16) Acetone	3.95	43	91720	118.501	ug/l	98
17) Carbon Disulfide	4.20	76	218450	20.839	ug/l	100
18) Methyl Acetate	4.49	43	51364	23.896	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	204965	21.409	ug/l	96
20) Methylene Chloride	4.72	84	94251	21.017	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	77136	19.963	ug/l	91
22) Diisopropyl ether	6.12	45	263686	23.438	ug/l	96
23) Vinyl Acetate	6.07	43	870003	116.022	ug/l	98
24) 1,1-Dichloroethane	6.02	63	141896	21.770	ug/l	98
25) 2-Butanone	6.99	43	149318	117.496	ug/l	98
26) 2,2-Dichloropropane	6.99	77	124600	21.227	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	86736	20.388	ug/l	95
28) Bromochloromethane	7.34	49	70881	25.118	ug/l	89
29) Tetrahydrofuran	7.35	42	101802	119.244	ug/l	94
30) Chloroform	7.52	83	141049	21.011	ug/l	99
31) Cyclohexane	7.78	56	134203	21.293	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	127552	21.106	ug/l	98
36) 1,1-Dichloropropene	7.92	75	111241	20.330	ug/l	99
37) Ethyl Acetate	7.08	43	70382	23.884	ug/l	95
38) Carbon Tetrachloride	7.90	117	113379	20.071	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	137130	19.949	ug/l	97
40) Benzene	8.16	78	307989	20.442	ug/l	97
41) Methacrylonitrile	7.33	41	36829m	20.752	ug/l	
42) 1,2-Dichloroethane	8.24	62	97637	21.049	ug/l	99
43) Isopropyl Acetate	8.28	43	127382	22.333	ug/l	98
44) Trichloroethene	8.94	130	88383	19.136	ug/l	99
45) 1,2-Dichloropropane	9.22	63	82573	21.180	ug/l	97
46) Dibromomethane	9.31	93	46215	20.296	ug/l	98
47) Bromodichloromethane	9.50	83	113823	21.018	ug/l	99
48) Methyl methacrylate	9.29	41	56446	22.136	ug/l	95
49) 1,4-Dioxane	9.30	88	11222	388.316	ug/l #	84
51) 4-Methyl-2-Pentanone	10.07	43	340945	115.002	ug/l	96
52) Toluene	10.24	92	191625	19.898	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	117306	20.907	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	134547	20.812	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	64428	19.968	ug/l	97
56) Ethyl methacrylate	10.51	69	92489	21.084	ug/l	97
57) 1,3-Dichloropropane	10.79	76	112864	20.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	255552	114.227	ug/l	96
59) 2-Hexanone	10.83	43	235741	113.908	ug/l	97
60) Dibromochloromethane	10.99	129	81720	20.136	ug/l	98
61) 1,2-Dibromoethane	11.09	107	63812	20.038	ug/l	99
64) Tetrachloroethene	10.72	164	87675	17.665	ug/l	96
65) Chlorobenzene	11.52	112	213346	19.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	81392	19.543	ug/l	99
67) Ethyl Benzene	11.60	91	380929	19.896	ug/l	97
68) m/p-Xylenes	11.70	106	286433	39.428	ug/l	99
69) o-Xylene	12.03	106	133774	19.711	ug/l	97
70) Styrene	12.05	104	228583	19.689	ug/l	98
71) Bromoform	12.20	173	53098	19.425	ug/l #	99
73) Isopropylbenzene	12.33	105	372173	19.528	ug/l	99
74) N-amyl acetate	12.14	43	118147	22.093	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	78317	21.277	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	57823m	21.842	ug/l	
77) Bromobenzene	12.61	156	94423	19.436	ug/l	96
78) n-propylbenzene	12.67	91	446967	19.896	ug/l	99
79) 2-Chlorotoluene	12.75	91	250005	19.946	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	309514	19.485	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28217	20.744	ug/l #	80
82) 4-Chlorotoluene	12.85	91	265909	20.325	ug/l	98
83) tert-Butylbenzene	13.08	119	271013	19.336	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	311645	19.499	ug/l	99
85) sec-Butylbenzene	13.25	105	382556	19.858	ug/l	99
86) p-Isopropyltoluene	13.37	119	349082	19.407	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	178400	19.419	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	178186	19.590	ug/l	99
89) n-Butylbenzene	13.70	91	339538	20.068	ug/l	100
90) Hexachloroethane	13.96	117	65766	20.077	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	158602	19.672	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11542	19.341	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	115135	20.074	ug/l	100
94) Hexachlorobutadiene	15.11	225	79510	20.231	ug/l	97
95) Naphthalene	15.24	128	192889	20.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	89367	19.711	ug/l	99

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

