

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003336.D
 Acq On : 24 Jul 2020 16:49
 Operator : SY/MD
 Sample : VY0724SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0724SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:03:25 PM

Quant Time: Jul 25 02:22:13 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	7.80	168	486200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	719638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	659210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	362191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	202268	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.72	113	194651	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	10.18	98	698135	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
62) 4-Bromofluorobenzene	12.48	95	259890	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	75407	21.639	ug/l	99
3) Chloromethane	2.12	50	93470	19.337	ug/l	99
4) Vinyl Chloride	2.25	62	103597	20.889	ug/l	96
5) Bromomethane	2.64	94	79607	21.611	ug/l	95
6) Chloroethane	2.79	64	67820	20.820	ug/l	97
7) Trichlorofluoromethane	3.13	101	151512	21.392	ug/l	96
8) Diethyl Ether	3.53	74	53036	22.347	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	89042	20.816	ug/l	99
10) Methyl Iodide	4.10	142	93363	20.090	ug/l	99
11) Tert butyl alcohol	4.96	59	56699	127.775	ug/l	95
12) 1,1-Dichloroethene	3.87	96	83756	20.702	ug/l	98
13) Acrolein	3.73	56	27705	71.932	ug/l	97
14) Allyl chloride	4.49	41	132077	22.001	ug/l	95
15) Acrylonitrile	5.17	53	129007	113.160	ug/l	98
16) Acetone	3.96	43	108038	117.863	ug/l	100
17) Carbon Disulfide	4.20	76	256039	20.624	ug/l	99
18) Methyl Acetate	4.49	43	61772	24.266	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	243202	21.450	ug/l	98
20) Methylene Chloride	4.72	84	134858	26.677	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	96707	21.133	ug/l	98
22) Diisopropyl ether	6.13	45	295888	22.208	ug/l	99
23) Vinyl Acetate	6.07	43	969265	109.145	ug/l	98
24) 1,1-Dichloroethane	6.02	63	168098	21.777	ug/l	99
25) 2-Butanone	6.99	43	170597	113.350	ug/l	97
26) 2,2-Dichloropropane	6.99	77	150541	21.656	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	107017	21.241	ug/l	98
28) Bromochloromethane	7.34	49	75730	22.660	ug/l	99
29) Tetrahydrofuran	7.35	42	115901	114.633	ug/l	97
30) Chloroform	7.51	83	169973	21.380	ug/l	97
31) Cyclohexane	7.79	56	159843	21.415	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	152270	21.275	ug/l	99
36) 1,1-Dichloropropene	7.92	75	134306	20.592	ug/l	99
37) Ethyl Acetate	7.08	43	78110	22.238	ug/l	99
38) Carbon Tetrachloride	7.91	117	138428	20.559	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	164454	20.071	ug/l	97
40) Benzene	8.16	78	373551	20.800	ug/l	95
41) Methacrylonitrile	7.33	41	40578m	19.182	ug/l	
42) 1,2-Dichloroethane	8.24	62	115449	20.881	ug/l	98
43) Isopropyl Acetate	8.27	43	144805	21.299	ug/l	100
44) Trichloroethene	8.94	130	106993	19.434	ug/l	92
45) 1,2-Dichloropropane	9.22	63	99446	21.400	ug/l	100
46) Dibromomethane	9.31	93	55798	20.558	ug/l	99
47) Bromodichloromethane	9.50	83	136219	21.102	ug/l	97
48) Methyl methacrylate	9.30	41	64202	21.123	ug/l	97
49) 1,4-Dioxane	9.30	88	14784	429.183	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	386159	109.275	ug/l	98
52) Toluene	10.24	92	237162	20.661	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	142055	21.240	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	162232	21.053	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	80456	20.919	ug/l	98
56) Ethyl methacrylate	10.51	69	108360	20.724	ug/l	98
57) 1,3-Dichloropropane	10.79	76	139248	21.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	304967	114.361	ug/l	98
59) 2-Hexanone	10.83	43	265242	107.522	ug/l	98
60) Dibromochloromethane	10.99	129	100575	20.791	ug/l	100
61) 1,2-Dibromoethane	11.09	107	77791	20.493	ug/l	99
64) Tetrachloroethene	10.72	164	111627	18.992	ug/l	96
65) Chlorobenzene	11.52	112	261681	20.606	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	103368	20.957	ug/l	99
67) Ethyl Benzene	11.59	91	466290	20.564	ug/l	99
68) m/p-Xylenes	11.70	106	350040	40.686	ug/l	99
69) o-Xylene	12.03	106	165704	20.617	ug/l	100
70) Styrene	12.04	104	284487	20.691	ug/l	99
71) Bromoform	12.20	173	67514	20.855	ug/l #	99
73) Isopropylbenzene	12.33	105	458924	19.883	ug/l	99
74) N-amyl acetate	12.14	43	133048	20.544	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	93958	21.077	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	66545m	20.756	ug/l	
77) Bromobenzene	12.61	156	118817	20.195	ug/l	98
78) n-propylbenzene	12.67	91	547527	20.124	ug/l	100
79) 2-Chlorotoluene	12.75	91	306530	20.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	384419	19.983	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	34844	21.152	ug/l	94
82) 4-Chlorotoluene	12.85	91	327671	20.681	ug/l	99
83) tert-Butylbenzene	13.07	119	333660	19.657	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	390800	20.190	ug/l	98
85) sec-Butylbenzene	13.25	105	474956	20.358	ug/l	100
86) p-Isopropyltoluene	13.37	119	440338	20.214	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	225659	20.282	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	222620	20.210	ug/l	98
89) n-Butylbenzene	13.69	91	424040	20.695	ug/l	99
90) Hexachloroethane	13.96	117	82888	20.894	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	207015	21.202	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14805	20.485	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	149971	21.591	ug/l	99
94) Hexachlorobutadiene	15.11	225	95493	20.064	ug/l	99
95) Naphthalene	15.23	128	250869	21.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	120844	22.009	ug/l	99

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

