

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003388.D
 Acq On : 31 Jul 2020 14:46
 Operator : SY/MD
 Sample : VY0731SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0731SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:37:35 PM

Quant Time: Aug 01 01:53:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	522421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	773318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	701736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	376933	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	254432	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.72	113	233621	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.18	98	922235	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.48	95	308902	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	89940	21.025	ug/l	98
3) Chloromethane	2.12	50	115699	19.748	ug/l	99
4) Vinyl Chloride	2.26	62	119300	20.284	ug/l	99
5) Bromomethane	2.64	94	92500	21.290	ug/l	99
6) Chloroethane	2.79	64	74673	20.241	ug/l	97
7) Trichlorofluoromethane	3.13	101	165361	20.822	ug/l	100
8) Diethyl Ether	3.54	74	57272	20.710	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	98209	20.703	ug/l	99
10) Methyl Iodide	4.10	142	105521	19.161	ug/l	99
11) Tert butyl alcohol	4.96	59	55091	108.592	ug/l	99
12) 1,1-Dichloroethene	3.87	96	95039	20.653	ug/l	96
13) Acrolein	3.73	56	53266	101.887	ug/l	100
14) Allyl chloride	4.49	41	152450	19.779	ug/l	100
15) Acrylonitrile	5.17	53	140248	102.214	ug/l	99
16) Acetone	3.95	43	116136	94.628	ug/l	99
17) Carbon Disulfide	4.20	76	307669	20.509	ug/l	100
18) Methyl Acetate	4.49	43	65936	20.363	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	255618	20.094	ug/l	98
20) Methylene Chloride	4.72	84	148907	18.603	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	105015	20.186	ug/l	94
22) Diisopropyl ether	6.13	45	324716	20.052	ug/l	97
23) Vinyl Acetate	6.07	43	1067028	100.581	ug/l	98
24) 1,1-Dichloroethane	6.02	63	182638	20.126	ug/l	98
25) 2-Butanone	6.99	43	187264	100.125	ug/l	98
26) 2,2-Dichloropropane	6.99	77	166298	20.537	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	114007	19.944	ug/l	100
28) Bromochloromethane	7.34	49	76599	21.700	ug/l	97
29) Tetrahydrofuran	7.35	42	123413	101.136	ug/l	99
30) Chloroform	7.51	83	184782	20.529	ug/l	94
31) Cyclohexane	7.78	56	178681	20.293	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	166211	20.239	ug/l	99
36) 1,1-Dichloropropene	7.92	75	147703	20.184	ug/l	99
37) Ethyl Acetate	7.08	43	82184	19.750	ug/l	98
38) Carbon Tetrachloride	7.91	117	154167	20.473	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	178547	19.996	ug/l	98
40) Benzene	8.17	78	411159	20.250	ug/l	98
41) Methacrylonitrile	7.32	41	45909m	19.245	ug/l	
42) 1,2-Dichloroethane	8.24	62	124932	20.203	ug/l	99
43) Isopropyl Acetate	8.28	43	153418	19.534	ug/l	97
44) Trichloroethene	8.94	130	119417	20.449	ug/l	97
45) 1,2-Dichloropropane	9.22	63	106397	20.010	ug/l	99
46) Dibromomethane	9.31	93	58932	19.754	ug/l	97
47) Bromodichloromethane	9.50	83	143287	19.932	ug/l	98
48) Methyl methacrylate	9.29	41	69397	19.575	ug/l	95
49) 1,4-Dioxane	9.30	88	16675	431.861	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	413391	100.439	ug/l	100
52) Toluene	10.24	92	257819	20.246	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	152691	20.012	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	174100	20.135	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	85192	20.359	ug/l	97
56) Ethyl methacrylate	10.51	69	115309	19.905	ug/l	98
57) 1,3-Dichloropropane	10.79	76	149188	20.514	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	285894	106.546	ug/l	100
59) 2-Hexanone	10.83	43	290554	101.295	ug/l	99
60) Dibromochloromethane	10.99	129	107511	20.459	ug/l	99
61) 1,2-Dibromoethane	11.09	107	80274	19.801	ug/l	97
64) Tetrachloroethene	10.72	164	117041	19.951	ug/l	97
65) Chlorobenzene	11.52	112	281382	20.434	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	108331	20.225	ug/l	99
67) Ethyl Benzene	11.59	91	505389	20.354	ug/l	100
68) m/p-Xylenes	11.70	106	380918	40.694	ug/l	99
69) o-Xylene	12.03	106	179358	20.469	ug/l	99
70) Styrene	12.04	104	308014	20.543	ug/l	99
71) Bromoform	12.20	173	70778	20.335	ug/l	99
73) Isopropylbenzene	12.33	105	490047	20.116	ug/l	99
74) N-amyl acetate	12.14	43	141498	19.707	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	97799	20.268	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	67358m	19.892	ug/l	
77) Bromobenzene	12.61	156	125670	20.303	ug/l	97
78) n-propylbenzene	12.67	91	594948	20.405	ug/l	100
79) 2-Chlorotoluene	12.75	91	328261	20.291	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	415162	20.298	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	36108	20.167	ug/l #	76
82) 4-Chlorotoluene	12.85	91	340162	20.235	ug/l	99
83) tert-Butylbenzene	13.08	119	367266	20.683	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	418032	20.334	ug/l	99
85) sec-Butylbenzene	13.25	105	505664	20.472	ug/l	100
86) p-Isopropyltoluene	13.37	119	468486	20.279	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	240275	20.322	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	238183	20.432	ug/l	99
89) n-Butylbenzene	13.69	91	456865	20.926	ug/l	99
90) Hexachloroethane	13.96	117	89996	20.335	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	210617	20.180	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16262	20.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	157793	21.334	ug/l	99
94) Hexachlorobutadiene	15.11	225	104784	21.392	ug/l	96
95) Naphthalene	15.23	128	260515	20.794	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	125539	20.980	ug/l	97

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

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