

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003380.D
 Acq On : 31 Jul 2020 10:58
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:37:21 PM

Quant Time: Jul 31 12:49:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 12:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	491170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	726244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	665828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	354825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	24381	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
35) Dibromofluoromethane	7.72	113	21142	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
50) Toluene-d8	10.18	98	85822	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
62) 4-Bromofluorobenzene	12.48	95	29273	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	22004	5.996	ug/l	100
3) Chloromethane	2.12	50	33628	6.690	ug/l	93
4) Vinyl Chloride	2.25	62	29987	5.812	ug/l	96
5) Bromomethane	2.65	94	21909	5.730	ug/l	100
6) Chloroethane	2.80	64	17545	5.217	ug/l	100
7) Trichlorofluoromethane	3.13	101	39361	5.385	ug/l	99
8) Diethyl Ether	3.54	74	13809	5.608	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	22796	5.176	ug/l	98
10) Methyl Iodide	4.10	142	22003	4.547	ug/l	97
11) Tert butyl alcohol	4.96	59	17115	37.613	ug/l	97
12) 1,1-Dichloroethene	3.88	96	22247	5.307	ug/l	93
13) Acrolein	3.73	56	13366	32.651	ug/l	99
14) Allyl chloride	4.49	41	37095	5.865	ug/l	99
15) Acrylonitrile	5.18	53	32986	27.874	ug/l	98
16) Acetone	3.95	43	29977	30.822	ug/l	92
17) Carbon Disulfide	4.20	76	72232	5.569	ug/l	96
18) Methyl Acetate	4.49	43	18297	6.897	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	60431	5.187	ug/l	95
20) Methylene Chloride	4.72	84	71459	12.450	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	25265	5.365	ug/l	99
22) Diisopropyl ether	6.13	45	76953	5.545	ug/l	99
23) Vinyl Acetate	6.07	43	236732	25.648	ug/l	98
24) 1,1-Dichloroethane	6.02	63	42865	5.356	ug/l	98
25) 2-Butanone	6.99	43	44338	28.193	ug/l	95
26) 2,2-Dichloropropane	6.99	77	40262	5.590	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	27296	5.258	ug/l	97
28) Bromochloromethane	7.34	49	17330	5.152	ug/l	100
29) Tetrahydrofuran	7.35	42	28912	27.554	ug/l	99
30) Chloroform	7.51	83	42912	5.229	ug/l	93
31) Cyclohexane	7.79	56	48486	6.272	ug/l #	85
32) 1,1,1-Trichloroethane	7.71	97	39758	5.365	ug/l	98
36) 1,1-Dichloropropene	7.92	75	34948	5.209	ug/l	99
37) Ethyl Acetate	7.08	43	20579	5.678	ug/l	94
38) Carbon Tetrachloride	7.90	117	34797	5.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	41492	4.942	ug/l	98
40) Benzene	8.17	78	96770	5.236	ug/l	96
41) Methacrylonitrile	7.32	41	9723m	4.432	ug/l	
42) 1,2-Dichloroethane	8.24	62	29525	5.206	ug/l	98
43) Isopropyl Acetate	8.28	43	37494	5.363	ug/l #	88
44) Trichloroethene	8.94	130	27319	4.869	ug/l	96
45) 1,2-Dichloropropane	9.22	63	25083	5.234	ug/l	97
46) Dibromomethane	9.30	93	14627	5.291	ug/l	97
47) Bromodichloromethane	9.50	83	32829	4.956	ug/l	97
48) Methyl methacrylate	9.29	41	15870	5.070	ug/l	95
49) 1,4-Dioxane	9.30	88	3667	104.250	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	95638	26.304	ug/l	99
52) Toluene	10.24	92	59510	5.047	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	34566	5.032	ug/l	95
54) cis-1,3-Dichloropropene	9.92	75	39984	5.049	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	20070	5.094	ug/l	92
56) Ethyl methacrylate	10.51	69	24807	4.648	ug/l	95
57) 1,3-Dichloropropane	10.79	76	34083	5.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	63251	23.835	ug/l	97
59) 2-Hexanone	10.83	43	64564	25.425	ug/l	99
60) Dibromochloromethane	10.98	129	23854	4.826	ug/l	91
61) 1,2-Dibromoethane	11.09	107	19325	5.004	ug/l	97
64) Tetrachloroethene	10.72	164	28205	4.741	ug/l	96
65) Chlorobenzene	11.52	112	66378	5.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	25458	5.027	ug/l	99
67) Ethyl Benzene	11.59	91	115996	4.973	ug/l	98
68) m/p-Xylenes	11.70	106	87329	9.878	ug/l	99
69) o-Xylene	12.03	106	39499	4.776	ug/l	95
70) Styrene	12.04	104	66500	4.702	ug/l	98
71) Bromoform	12.20	173	16485	4.993	ug/l #	97
73) Isopropylbenzene	12.33	105	110105	4.791	ug/l	99
74) N-amyl acetate	12.14	43	33190	5.133	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	22978	5.176	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	16999m	5.361	ug/l	
77) Bromobenzene	12.61	156	28463	4.865	ug/l	97
78) n-propylbenzene	12.67	91	133353	4.908	ug/l	100
79) 2-Chlorotoluene	12.75	91	74327	4.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	93696	4.886	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	8207	5.016	ug/l	94
82) 4-Chlorotoluene	12.85	91	75336	4.773	ug/l	97
83) tert-Butylbenzene	13.07	119	79956	4.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	91421	4.735	ug/l	99
85) sec-Butylbenzene	13.25	105	112099	4.817	ug/l	99
86) p-Isopropyltoluene	13.37	119	103717	4.774	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	55015	4.962	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	55907	5.091	ug/l	93
89) n-Butylbenzene	13.69	91	99548	4.870	ug/l	100
90) Hexachloroethane	13.96	117	20453	5.136	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	49834	5.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4222	5.877	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	34691	5.001	ug/l	98
94) Hexachlorobutadiene	15.11	225	24198	5.113	ug/l	98
95) Naphthalene	15.23	128	57798	5.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	27926	5.054	ug/l	96

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

