

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003746.D
 Acq On : 31 Jul 2018 13:38
 Operator : JC/SP
 Sample : VX0731SBS01
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS01

Manual Integrations
 APPROVED

apatel
 8/1/2018 5:39:38 PM

Quant Time: Jul 31 14:38:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	103627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	137351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	52666	50.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.50	113	46634	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
50) Toluene-d8	8.71	98	177924	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
62) 4-Bromofluorobenzene	11.14	95	64144	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18666	21.34	ug/l	100
3) Chloromethane	1.32	50	23554	21.42	ug/l	97
4) Vinyl Chloride	1.40	62	24802	20.97	ug/l #	82
5) Bromomethane	1.64	94	16555	24.66	ug/l	97
6) Chloroethane	1.71	64	16319	20.87	ug/l	94
7) Trichlorofluoromethane	1.92	101	31790	20.50	ug/l	95
8) Diethyl Ether	2.19	74	11354	19.37	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	19748	20.07	ug/l	99
10) Methyl Iodide	2.51	142	17653	15.61	ug/l	96
11) Tert butyl alcohol	3.07	59	15701	92.52	ug/l	100
12) 1,1-Dichloroethene	2.37	96	18841	20.34	ug/l	97
13) Acrolein	2.29	56	7179	129.30	ug/l	96
14) Allyl chloride	2.72	41	35223	21.45	ug/l	96
15) Acrylonitrile	3.15	53	41793	96.84	ug/l	99
16) Acetone	2.45	43	40963	102.32	ug/l	99
17) Carbon Disulfide	2.56	76	57700	19.15	ug/l	98
18) Methyl Acetate	2.78	43	21942	19.50	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	49662	19.70	ug/l	100
20) Methylene Chloride	2.85	84	22514	19.41	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	19778	19.49	ug/l	98
22) Diisopropyl ether	3.87	45	61475	20.74	ug/l	97
23) Vinyl Acetate	3.82	43	213899	100.06	ug/l	99
24) 1,1-Dichloroethane	3.69	63	36076	20.87	ug/l	97
25) 2-Butanone	4.69	43	56026	96.00	ug/l	99
26) 2,2-Dichloropropane	4.58	77	28809	21.16	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22009	20.12	ug/l	96
28) Bromochloromethane	5.01	49	16089	20.75	ug/l	91
29) Tetrahydrofuran	5.15	42	33715	90.65	ug/l	99
30) Chloroform	5.21	83	35085	20.60	ug/l	93
31) Cyclohexane	5.58	56	33257	19.92	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	30165	20.61	ug/l	99
36) 1,1-Dichloropropene	5.79	75	28223	21.94	ug/l	99
37) Ethyl Acetate	4.85	43	20990	21.24	ug/l	98
38) Carbon Tetrachloride	5.78	117	26370	22.16	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	30944	19.59	ug/l	98
40) Benzene	6.14	78	76909	20.86	ug/l	98
41) Methacrylonitrile	5.05	41	12352	22.18	ug/l	98
42) 1,2-Dichloroethane	6.19	62	23939	21.50	ug/l	97
43) Isopropyl Acetate	6.46	43	30720	19.51	ug/l	98
44) Trichloroethene	7.21	130	20929	19.90	ug/l	95
45) 1,2-Dichloropropane	7.51	63	19106	21.08	ug/l	98
46) Dibromomethane	7.66	93	10822	20.72	ug/l	96
47) Bromodichloromethane	7.90	83	21658	20.81	ug/l	98
48) Methyl methacrylate	7.77	41	15823	20.04	ug/l	96
49) 1,4-Dioxane	7.75	88	5689	356.94	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	94591	97.77	ug/l	98
52) Toluene	8.79	92	47568	20.69	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	23492	19.76	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	26709	20.15	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	15986	20.20	ug/l	97
56) Ethyl methacrylate	9.18	69	20892	19.22	ug/l	94
57) 1,3-Dichloropropane	9.37	76	27332	20.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	48041	93.62	ug/l	98
59) 2-Hexanone	9.49	43	73025	99.08	ug/l	96
60) Dibromochloromethane	9.59	129	15285	19.18	ug/l	99
61) 1,2-Dibromoethane	9.67	107	16127	19.96	ug/l	100
64) Tetrachloroethene	9.34	164	19148	19.37	ug/l	97
65) Chlorobenzene	10.14	112	52727	20.06	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	17137	19.99	ug/l	98
67) Ethyl Benzene	10.26	91	89390	20.14	ug/l	100
68) m/p-Xylenes	10.36	106	69239	39.88	ug/l	98
69) o-Xylene	10.70	106	31612	19.61	ug/l	96
70) Styrene	10.71	104	53263	19.64	ug/l	98
71) Bromoform	10.86	173	10989	18.65	ug/l #	98
73) Isopropylbenzene	11.02	105	89499	19.97	ug/l	99
74) N-amyl acetate	6.46	43	30720	19.34	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	22639	19.43	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	19971m	20.24	ug/l	
77) Bromobenzene	11.26	156	22829	19.54	ug/l	96
78) n-propylbenzene	11.36	91	109929	20.25	ug/l	99
79) 2-Chlorotoluene	11.42	91	62325	20.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	76364	19.96	ug/l #	70
81) trans-1,4-Dichloro-2-buten	11.08	75	6115	18.36	ug/l	89
82) 4-Chlorotoluene	11.51	91	74632	19.96	ug/l	99
83) tert-Butylbenzene	11.77	119	74978	19.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	77979	19.80	ug/l	97
85) sec-Butylbenzene	11.95	105	96032	19.84	ug/l	99
86) p-Isopropyltoluene	12.07	119	85884	19.52	ug/l #	71
87) 1,3-Dichlorobenzene	12.02	146	45375	19.20	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	46757	19.39	ug/l	99
89) n-Butylbenzene	12.39	91	83940	20.05	ug/l	98
90) Hexachloroethane	12.60	117	12313	18.85	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	42797	19.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4200	18.17	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33105	18.96	ug/l	99
94) Hexachlorobutadiene	13.79	225	21139	18.93	ug/l	100
95) Naphthalene	13.83	128	69934	18.74	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	30219	19.07	ug/l	99

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

