

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003768.D
 Acq On : 01 Aug 2018 00:33
 Operator : JC/SP
 Sample : VX0731SBS02
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Manual Integrations
 APPROVED

apatel
 8/1/2018 6:54:40 PM

Quant Time: Aug 01 06:57:09 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	109165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	148116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	44253	40.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.16%	
35) Dibromofluoromethane	5.50	113	41300	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	8.72	98	186121	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	60302	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18787	20.39	ug/l	99
3) Chloromethane	1.32	50	21322	18.41	ug/l	99
4) Vinyl Chloride	1.40	62	24372	19.56	ug/l	# 86
5) Bromomethane	1.63	94	12798	17.55	ug/l	100
6) Chloroethane	1.71	64	14913	18.10	ug/l	100
7) Trichlorofluoromethane	1.92	101	31693	19.40	ug/l	97
8) Diethyl Ether	2.19	74	9758	15.80	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21234	20.49	ug/l	99
10) Methyl Iodide	2.50	142	13939	11.70	ug/l	98
11) Tert butyl alcohol	3.09	59	16247	90.88	ug/l	98
12) 1,1-Dichloroethene	2.37	96	18447	18.91	ug/l	96
13) Acrolein	2.29	56	5126	87.64	ug/l	93
14) Allyl chloride	2.72	41	32889	19.01	ug/l	97
15) Acrylonitrile	3.15	53	40917	90.00	ug/l	98
16) Acetone	2.45	43	32777	77.72	ug/l	100
17) Carbon Disulfide	2.56	76	56937	17.93	ug/l	97
18) Methyl Acetate	2.78	43	23693	19.99	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	43574	16.41	ug/l	100
20) Methylene Chloride	2.85	84	22022	17.78	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	19438	18.18	ug/l	95
22) Diisopropyl ether	3.87	45	55247	17.69	ug/l	97
23) Vinyl Acetate	3.82	43	178065	79.07	ug/l	98
24) 1,1-Dichloroethane	3.70	63	35265	19.37	ug/l	98
25) 2-Butanone	4.70	43	55813	90.79	ug/l	98
26) 2,2-Dichloropropane	4.58	77	25175	17.55	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22069	19.15	ug/l	98
28) Bromochloromethane	5.03	49	13619	16.67	ug/l	97
29) Tetrahydrofuran	5.16	42	36291	92.63	ug/l	99
30) Chloroform	5.21	83	32507	18.12	ug/l	96
31) Cyclohexane	5.58	56	35156	19.99	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	29941	19.42	ug/l	98
36) 1,1-Dichloropropene	5.81	75	27994	20.18	ug/l	99
37) Ethyl Acetate	4.85	43	20362	19.11	ug/l	98
38) Carbon Tetrachloride	5.78	117	25663	20.00	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36938	21.69	ug/l	96
40) Benzene	6.14	78	74610	18.77	ug/l	99
41) Methacrylonitrile	5.06	41	11319	18.85	ug/l	98
42) 1,2-Dichloroethane	6.20	62	20984	17.48	ug/l	98
43) Isopropyl Acetate	6.46	43	29534	17.40	ug/l	99
44) Trichloroethene	7.21	130	21394	18.87	ug/l	95
45) 1,2-Dichloropropane	7.52	63	18755	19.19	ug/l	99
46) Dibromomethane	7.66	93	9256	16.43	ug/l	99
47) Bromodichloromethane	7.90	83	19639	17.49	ug/l	96
48) Methyl methacrylate	7.77	41	15075	17.70	ug/l	99
49) 1,4-Dioxane	7.76	88	7568	440.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	94361	90.44	ug/l	100
52) Toluene	8.79	92	47311	19.08	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	20739	16.18	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	23580	16.50	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	14464	16.95	ug/l	96
56) Ethyl methacrylate	9.18	69	19142	16.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	25590	17.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	44875	83.25	ug/l	99
59) 2-Hexanone	9.50	43	71205	89.58	ug/l	99
60) Dibromochloromethane	9.59	129	14018	16.31	ug/l	99
61) 1,2-Dibromoethane	9.68	107	15054	17.28	ug/l	99
64) Tetrachloroethene	9.34	164	24634	24.93	ug/l	93
65) Chlorobenzene	10.14	112	51003	19.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15984	18.66	ug/l	99
67) Ethyl Benzene	10.26	91	90466	20.39	ug/l	100
68) m/p-Xylenes	10.36	106	70747	40.77	ug/l	99
69) o-Xylene	10.70	106	32143	19.95	ug/l	99
70) Styrene	10.71	104	52120	19.23	ug/l	99
71) Bromoform	10.86	173	9853	16.73	ug/l #	98
73) Isopropylbenzene	11.02	105	94193	21.56	ug/l	99
74) N-amyl acetate	6.46	43	29534	19.07	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	20293	17.86	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	17679m	18.38	ug/l	
77) Bromobenzene	11.26	156	22356	19.62	ug/l	99
78) n-propylbenzene	11.36	91	113572	21.45	ug/l	99
79) 2-Chlorotoluene	11.42	91	61274	20.39	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	78942	21.17	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	4864	14.98	ug/l	91
82) 4-Chlorotoluene	11.51	91	73538	20.17	ug/l	99
83) tert-Butylbenzene	11.77	119	75934	20.58	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	79091	20.60	ug/l	99
85) sec-Butylbenzene	11.95	105	103792	21.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	93046	21.69	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	44970	19.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	44893	19.09	ug/l	98
89) n-Butylbenzene	12.39	91	87763	21.50	ug/l	100
90) Hexachloroethane	12.60	117	12493	19.61	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	40969	19.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4070	18.06	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	31572	18.55	ug/l	100
94) Hexachlorobutadiene	13.79	225	23432	21.52	ug/l	99
95) Naphthalene	13.84	128	80664	22.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	28660	18.55	ug/l	99

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

