

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003741.D
 Acq On : 30 Jul 2018 23:58
 Operator : JC/SP
 Sample : VX0730SBS01
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:41:07 AM

Quant Time: Jul 31 12:21:09 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	5.67	168	78985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	124760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	115972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	51136	64.01	ug/l	0.00
Spiked Amount			Recovery	=	128.02%	
35) Dibromofluoromethane	5.50	113	41294	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
50) Toluene-d8	8.71	98	178281	58.21	ug/l	0.00
Spiked Amount			Recovery	=	116.42%	
62) 4-Bromofluorobenzene	11.14	95	62831	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	14604	21.91	ug/l	98
3) Chloromethane	1.32	50	21462	25.61	ug/l	94
4) Vinyl Chloride	1.40	62	19466	21.59	ug/l #	88
5) Bromomethane	1.63	94	13287	26.08	ug/l	99
6) Chloroethane	1.70	64	14384	24.13	ug/l	98
7) Trichlorofluoromethane	1.92	101	25856	21.87	ug/l	88
8) Diethyl Ether	2.19	74	12071	27.02	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	16347	21.80	ug/l	99
10) Methyl Iodide	2.50	142	17054	19.78	ug/l	100
11) Tert butyl alcohol	3.09	59	17344	134.09	ug/l	97
12) 1,1-Dichloroethene	2.37	96	15436	21.86	ug/l	95
13) Acrolein	2.29	56	7326	173.11	ug/l	92
14) Allyl chloride	2.72	41	31023	24.79	ug/l	99
15) Acrylonitrile	3.15	53	46344	140.88	ug/l	99
16) Acetone	2.45	43	41054	134.55	ug/l	92
17) Carbon Disulfide	2.56	76	49509	21.55	ug/l	100
18) Methyl Acetate	2.78	43	27614	32.20	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	53295	27.73	ug/l	96
20) Methylene Chloride	2.85	84	24243	28.82	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	18045	23.33	ug/l	99
22) Diisopropyl ether	3.87	45	61369	27.16	ug/l	94
23) Vinyl Acetate	3.82	43	215672	132.36	ug/l	99
24) 1,1-Dichloroethane	3.69	63	33018	25.06	ug/l	98
25) 2-Butanone	4.70	43	59928	134.73	ug/l	100
26) 2,2-Dichloropropane	4.59	77	20967	20.21	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	19620	23.54	ug/l	94
28) Bromochloromethane	5.01	49	14871	25.16	ug/l	91
29) Tetrahydrofuran	5.15	42	37497	132.28	ug/l	99
30) Chloroform	5.21	83	31894	24.57	ug/l	96
31) Cyclohexane	5.58	56	25142	19.76	ug/l #	89
32) 1,1,1-Trichloroethane	5.49	97	24155	21.65	ug/l	97
36) 1,1-Dichloropropene	5.80	75	24723	21.16	ug/l	99
37) Ethyl Acetate	4.85	43	22549	25.12	ug/l	99
38) Carbon Tetrachloride	5.79	117	22479	20.80	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	25372	17.69	ug/l	98
40) Benzene	6.14	78	68499	20.46	ug/l	96
41) Methacrylonitrile	5.06	41	12678	25.06	ug/l	97
42) 1,2-Dichloroethane	6.20	62	24361	24.09	ug/l	97
43) Isopropyl Acetate	6.46	43	33802	23.64	ug/l	97
44) Trichloroethene	7.21	130	18440	19.31	ug/l	99
45) 1,2-Dichloropropane	7.52	63	18399	22.35	ug/l	98
46) Dibromomethane	7.67	93	11127	23.45	ug/l	96
47) Bromodichloromethane	7.90	83	21347	22.58	ug/l	98
48) Methyl methacrylate	7.77	41	17688	24.66	ug/l	95
49) 1,4-Dioxane	7.76	88	6836	472.19	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	115844	131.82	ug/l	96
52) Toluene	8.79	92	47853	22.91	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	25089	23.23	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	27569	22.90	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	18018	25.07	ug/l	96
56) Ethyl methacrylate	9.18	69	23487	23.79	ug/l	92
57) 1,3-Dichloropropane	9.38	76	30400	25.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	52918	110.09	ug/l	100
59) 2-Hexanone	9.50	43	84011	125.48	ug/l	98
60) Dibromochloromethane	9.59	129	15315	21.16	ug/l	98
61) 1,2-Dibromoethane	9.68	107	16977	23.13	ug/l	98
64) Tetrachloroethene	9.34	164	21553	23.64	ug/l	97
65) Chlorobenzene	10.14	112	49018	20.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	17538	22.19	ug/l	99
67) Ethyl Benzene	10.26	91	86240	21.07	ug/l	99
68) m/p-Xylenes	10.36	106	66177	41.34	ug/l	97
69) o-Xylene	10.70	106	32921	22.15	ug/l	98
70) Styrene	10.71	104	55554	22.22	ug/l	99
71) Bromoform	10.86	173	11101	20.43	ug/l #	97
73) Isopropylbenzene	11.02	105	81861	18.12	ug/l	99
74) N-amyl acetate	6.46	43	33802	21.10	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	25968	22.10	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	22601m	22.72	ug/l	
77) Bromobenzene	11.26	156	24741	21.00	ug/l	97
78) n-propylbenzene	11.36	91	105291	19.23	ug/l	100
79) 2-Chlorotoluene	11.42	91	63416	20.40	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	76318	19.79	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.07	75	5849	17.41	ug/l	88
82) 4-Chlorotoluene	11.51	91	75641	20.06	ug/l	100
83) tert-Butylbenzene	11.77	119	69466	18.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	78659	19.81	ug/l	99
85) sec-Butylbenzene	11.95	105	91038	18.65	ug/l	100
86) p-Isopropyltoluene	12.07	119	83740	18.88	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	47153	19.79	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	48921	20.12	ug/l	99
89) n-Butylbenzene	12.39	91	80380	19.04	ug/l	98
90) Hexachloroethane	12.60	117	12140	18.43	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	45259	20.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5101	21.88	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35500	20.16	ug/l	100
94) Hexachlorobutadiene	13.79	225	20753	18.43	ug/l	100
95) Naphthalene	13.83	128	81617	21.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	33313	20.84	ug/l	99

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

