

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003731.D
 Acq On : 30 Jul 2018 18:31
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:22 AM

Quant Time: Jul 31 11:38:23 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	124375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	185075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95536	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	64445	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
35) Dibromofluoromethane	5.50	113	57454	52.72	ug/l	0.00
Spiked Amount						
			Recovery	=	105.44%	
50) Toluene-d8	8.72	98	234920	51.70	ug/l	0.00
Spiked Amount						
			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	85792	51.21	ug/l	0.00
Spiked Amount						
			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	48321	46.03	ug/l	99
3) Chloromethane	1.32	50	64566	48.93	ug/l	100
4) Vinyl Chloride	1.40	62	65811	46.36	ug/l #	88
5) Bromomethane	1.63	94	42706	55.39	ug/l	99
6) Chloroethane	1.71	64	41070	43.75	ug/l	100
7) Trichlorofluoromethane	1.92	101	89248	47.95	ug/l	94
8) Diethyl Ether	2.18	74	36324	51.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	57212	48.45	ug/l	99
10) Methyl Iodide	2.51	142	70753	52.12	ug/l	100
11) Tert butyl alcohol	3.08	59	48367	237.46	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53729	48.33	ug/l	95
13) Acrolein	2.29	56	10605	159.14	ug/l	92
14) Allyl chloride	2.72	41	99101	50.29	ug/l	99
15) Acrylonitrile	3.15	53	127390	245.93	ug/l	100
16) Acetone	2.45	43	118835	247.33	ug/l	100
17) Carbon Disulfide	2.56	76	172604	47.72	ug/l	100
18) Methyl Acetate	2.78	43	60155	44.55	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	157363	52.00	ug/l	99
20) Methylene Chloride	2.85	84	65526	51.91	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	59322	48.70	ug/l	94
22) Diisopropyl ether	3.87	45	181126	50.91	ug/l	98
23) Vinyl Acetate	3.82	43	685703	267.25	ug/l	99
24) 1,1-Dichloroethane	3.70	63	104668	50.45	ug/l	96
25) 2-Butanone	4.70	43	180158	257.21	ug/l	94
26) 2,2-Dichloropropane	4.59	77	82913	50.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	66508	50.66	ug/l	99
28) Bromochloromethane	5.02	49	47445	50.98	ug/l	98
29) Tetrahydrofuran	5.15	42	108975	244.14	ug/l	99
30) Chloroform	5.21	83	103797	50.77	ug/l	98
31) Cyclohexane	5.57	56	97784	48.79	ug/l #	87
32) 1,1,1-Trichloroethane	5.50	97	89595	50.99	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84514	48.76	ug/l	99
37) Ethyl Acetate	4.85	43	65683	49.33	ug/l	99
38) Carbon Tetrachloride	5.78	117	78338	48.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105306	49.49	ug/l	96
40) Benzene	6.14	78	254857	51.31	ug/l	98
41) Methacrylonitrile	5.06	41	37266	49.66	ug/l	100
42) 1,2-Dichloroethane	6.20	62	75226	50.15	ug/l	99
43) Isopropyl Acetate	6.46	43	106864	50.38	ug/l	98
44) Trichloroethene	7.21	130	68921	48.64	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62086	50.83	ug/l	98
46) Dibromomethane	7.67	93	35993	51.14	ug/l	97
47) Bromodichloromethane	7.90	83	73572	52.45	ug/l	99
48) Methyl methacrylate	7.78	41	54220	50.96	ug/l	100
49) 1,4-Dioxane	7.75	88	20700	963.86	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	330000	253.13	ug/l	100
52) Toluene	8.79	92	155201	50.09	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	84960	53.03	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	95200	53.31	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	54858	51.45	ug/l	97
56) Ethyl methacrylate	9.18	69	78620	53.68	ug/l	99
57) 1,3-Dichloropropane	9.37	76	92188	51.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	197333	252.30	ug/l	100
59) 2-Hexanone	9.50	43	250228	251.95	ug/l	100
60) Dibromochloromethane	9.59	129	56615	52.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	55932	51.38	ug/l	99
64) Tetrachloroethene	9.34	164	63529	48.20	ug/l	96
65) Chlorobenzene	10.14	112	175531	50.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	59659	52.21	ug/l	100
67) Ethyl Benzene	10.26	91	300497	50.79	ug/l	100
68) m/p-Xylenes	10.36	106	234766	101.43	ug/l	99
69) o-Xylene	10.70	106	110716	51.52	ug/l	99
70) Styrene	10.71	104	189751	52.48	ug/l	100
71) Bromoform	10.86	173	42148	53.64	ug/l #	97
73) Isopropylbenzene	11.02	105	303544	50.75	ug/l	100
74) N-amyl acetate	6.46	43	106864	50.41	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	77570	49.89	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	66666m	50.63	ug/l	
77) Bromobenzene	11.26	156	80052	51.34	ug/l	99
78) n-propylbenzene	11.36	91	362918	50.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	205626	49.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	259810	50.89	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	23781	53.49	ug/l	99
82) 4-Chlorotoluene	11.51	91	247127	49.53	ug/l	99
83) tert-Butylbenzene	11.77	119	259886	51.47	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	267554	50.92	ug/l	100
85) sec-Butylbenzene	11.95	105	323077	50.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	294575	50.17	ug/l #	69
87) 1,3-Dichlorobenzene	12.03	146	156321	49.56	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	157697	49.00	ug/l	100
89) n-Butylbenzene	12.39	91	279962	50.10	ug/l	99
90) Hexachloroethane	12.60	117	44644	51.21	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	147463	50.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15531	50.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120098	51.54	ug/l	100
94) Hexachlorobutadiene	13.79	225	73110	49.06	ug/l	99
95) Naphthalene	13.83	128	270495	54.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110507	52.24	ug/l	100

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

