

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003726.D
 Acq On : 30 Jul 2018 16:24
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:39:59 AM

Quant Time: Jul 31 11:13:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:23:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	110560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	168007	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	149530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82854	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	11949	10.69	ug/l	0.00
Spiked Amount			Recovery	=	21.38%	
35) Dibromofluoromethane	5.50	113	9438	9.54	ug/l	0.00
Spiked Amount			Recovery	=	19.08%	
50) Toluene-d8	8.72	98	40715	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
62) 4-Bromofluorobenzene	11.14	95	14988	9.86	ug/l	0.00
Spiked Amount			Recovery	=	19.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	9692	10.39	ug/l	98
3) Chloromethane	1.32	50	12113	10.33	ug/l	99
4) Vinyl Chloride	1.40	62	12544	9.94	ug/l #	87
5) Bromomethane	1.63	94	8821	11.61	ug/l	87
6) Chloroethane	1.71	64	7655m	8.62	ug/l	
7) Trichlorofluoromethane	1.92	101	17164	15.01	ug/l	99
8) Diethyl Ether	2.18	74	6453	10.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10678	10.17	ug/l	99
10) Methyl Iodide	2.50	142	10810	8.96	ug/l	98
11) Tert butyl alcohol	3.08	59	9014	49.78	ug/l	97
12) 1,1-Dichloroethene	2.37	96	9927	9.28	ug/l	93
13) Acrolein	2.29	56	4164	70.29	ug/l	91
14) Allyl chloride	2.72	41	18061	10.31	ug/l	97
15) Acrylonitrile	3.15	53	23572	51.19	ug/l	99
16) Acetone	2.45	43	21922	51.33	ug/l	98
17) Carbon Disulfide	2.56	76	32127	9.99	ug/l	99
18) Methyl Acetate	2.78	43	11779	9.81	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	28133	10.46	ug/l	96
20) Methylene Chloride	2.85	84	14102	10.77	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	11013	10.17	ug/l	97
22) Diisopropyl ether	3.87	45	32791	10.37	ug/l	99
23) Vinyl Acetate	3.82	43	112451	49.30	ug/l	100
24) 1,1-Dichloroethane	3.70	63	18679	10.13	ug/l	98
25) 2-Butanone	4.70	43	31240	50.17	ug/l	99
26) 2,2-Dichloropropane	4.58	77	14791	10.18	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	11742	10.06	ug/l	94
28) Bromochloromethane	5.02	49	8629	10.43	ug/l	95
29) Tetrahydrofuran	5.16	42	20721	52.22	ug/l	99
30) Chloroform	5.21	83	18825	10.36	ug/l	100
31) Cyclohexane	5.57	56	17901	10.05	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	15655	10.02	ug/l	99
36) 1,1-Dichloropropene	5.80	75	15517	9.86	ug/l	98
37) Ethyl Acetate	4.85	43	11677	9.66	ug/l	97
38) Carbon Tetrachloride	5.78	117	13994	9.62	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18431	9.54	ug/l	90
40) Benzene	6.14	78	46693	10.36	ug/l	99
41) Methacrylonitrile	5.06	41	6737	9.89	ug/l	97
42) 1,2-Dichloroethane	6.20	62	14105	10.36	ug/l	98
43) Isopropyl Acetate	6.46	43	19362	10.05	ug/l	99
44) Trichloroethene	7.21	130	13001	10.11	ug/l	83
45) 1,2-Dichloropropane	7.51	63	10997	9.92	ug/l	97
46) Dibromomethane	7.66	93	6208	9.72	ug/l	97
47) Bromodichloromethane	7.90	83	12063	9.47	ug/l	96
48) Methyl methacrylate	7.77	41	9298	9.63	ug/l	99
49) 1,4-Dioxane	7.76	88	3807	195.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	57317	48.43	ug/l	98
52) Toluene	8.79	92	27716	9.85	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	13607	9.36	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	15091	9.31	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	9642	9.96	ug/l	98
56) Ethyl methacrylate	9.18	69	12153	9.14	ug/l	97
57) 1,3-Dichloropropane	9.37	76	16163	9.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	27034	42.50	ug/l	99
59) 2-Hexanone	9.50	43	42644	47.30	ug/l	97
60) Dibromochloromethane	9.59	129	9065	9.30	ug/l	97
61) 1,2-Dibromoethane	9.67	107	9599	9.71	ug/l	98
64) Tetrachloroethene	9.34	164	11425	9.72	ug/l	96
65) Chlorobenzene	10.14	112	31096	9.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	9887	9.70	ug/l	99
67) Ethyl Benzene	10.26	91	50872	9.64	ug/l	100
68) m/p-Xylenes	10.36	106	39711	19.24	ug/l	99
69) o-Xylene	10.70	106	18414	9.61	ug/l	98
70) Styrene	10.71	104	30541	9.47	ug/l	99
71) Bromoform	10.86	173	6472	9.24	ug/l #	99
73) Isopropylbenzene	11.02	105	51601	9.95	ug/l	99
74) N-amyl acetate	6.46	43	19362	11.74	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	13903	10.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	11921m	10.44	ug/l	
77) Bromobenzene	11.26	156	13535	10.01	ug/l	97
78) n-propylbenzene	11.36	91	62387	9.93	ug/l	100
79) 2-Chlorotoluene	11.42	91	36210	10.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	43334	8.56	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	3544	9.19	ug/l	88
82) 4-Chlorotoluene	11.51	91	43806	10.12	ug/l	99
83) tert-Butylbenzene	11.77	119	42997	9.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	44769	9.82	ug/l	98
85) sec-Butylbenzene	11.94	105	55153	9.84	ug/l	99
86) p-Isopropyltoluene	12.07	119	49765	11.08	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	27515	10.06	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	28097	10.07	ug/l	98
89) n-Butylbenzene	12.39	91	47376	9.78	ug/l	100
90) Hexachloroethane	12.60	117	7010	9.27	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	25142	9.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2668	9.97	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19827	9.81	ug/l	100
94) Hexachlorobutadiene	13.79	225	12819	9.92	ug/l	99
95) Naphthalene	13.83	128	40989	9.49	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	18094	9.86	ug/l	100

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

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