

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073018\
 Data File : VX003727.D
 Acq On : 30 Jul 2018 16:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:04 AM

Quant Time: Jul 31 05:35:10 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	101783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	150611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	137993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	20655	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
35) Dibromofluoromethane	5.50	113	17076	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	8.72	98	71860	19.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.14	95	26363	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	17961	20.91	ug/l	100
3) Chloromethane	1.32	50	22095	20.46	ug/l	100
4) Vinyl Chloride	1.40	62	23336	20.09	ug/l	# 83
5) Bromomethane	1.64	94	13301	19.02	ug/l	99
6) Chloroethane	1.70	64	18048	22.08	ug/l	99
7) Trichlorofluoromethane	1.92	101	30190	28.68	ug/l	99
8) Diethyl Ether	2.19	74	11609	20.17	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	19018	19.68	ug/l	97
10) Methyl Iodide	2.50	142	21635	19.48	ug/l	98
11) Tert butyl alcohol	3.09	59	17226	103.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	18509	18.80	ug/l	98
13) Acrolein	2.29	56	7398	135.66	ug/l	96
14) Allyl chloride	2.72	41	32352	20.06	ug/l	99
15) Acrylonitrile	3.15	53	43277	102.09	ug/l	98
16) Acetone	2.45	43	38113	96.93	ug/l	99
17) Carbon Disulfide	2.56	76	55626	18.79	ug/l	100
18) Methyl Acetate	2.78	43	21935	19.85	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	50206	20.27	ug/l	100
20) Methylene Chloride	2.85	84	24063	19.96	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	19861	19.92	ug/l	93
22) Diisopropyl ether	3.87	45	59323	20.38	ug/l	99
23) Vinyl Acetate	3.82	43	212965	101.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	34450	20.29	ug/l	97
25) 2-Butanone	4.70	43	58422	101.92	ug/l	100
26) 2,2-Dichloropropane	4.57	77	27170	20.32	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	21210	19.74	ug/l	97
28) Bromochloromethane	5.02	49	15302	20.09	ug/l	97
29) Tetrahydrofuran	5.16	42	37676	103.14	ug/l	100
30) Chloroform	5.21	83	33611	20.09	ug/l	96
31) Cyclohexane	5.57	56	32039	19.54	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	29416	20.46	ug/l	100
36) 1,1-Dichloropropene	5.80	75	28011	19.86	ug/l	99
37) Ethyl Acetate	4.86	43	23518	21.71	ug/l	100
38) Carbon Tetrachloride	5.78	117	25061	19.21	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	33683	19.45	ug/l	97
40) Benzene	6.15	78	81459	20.15	ug/l	100
41) Methacrylonitrile	5.06	41	12522	20.50	ug/l	99
42) 1,2-Dichloroethane	6.20	62	24923	20.42	ug/l	98
43) Isopropyl Acetate	6.46	43	34521	20.00	ug/l	100
44) Trichloroethene	7.21	130	22344	19.38	ug/l	99
45) 1,2-Dichloropropane	7.52	63	20234	20.36	ug/l	95
46) Dibromomethane	7.67	93	11546	20.16	ug/l	98
47) Bromodichloromethane	7.90	83	22613	19.81	ug/l	99
48) Methyl methacrylate	7.78	41	17726	20.47	ug/l	98
49) 1,4-Dioxane	7.76	88	7138	408.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	111829	105.41	ug/l	99
52) Toluene	8.79	92	50727	20.12	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	25461	19.53	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	28950	19.92	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	18015	20.76	ug/l	99
56) Ethyl methacrylate	9.18	69	24040	20.17	ug/l	99
57) 1,3-Dichloropropane	9.37	76	29742	20.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	51545	90.40	ug/l	100
59) 2-Hexanone	9.50	43	84792	104.91	ug/l	100
60) Dibromochloromethane	9.59	129	17427	19.94	ug/l	98
61) 1,2-Dibromoethane	9.68	107	18475	20.85	ug/l	99
64) Tetrachloroethene	9.34	164	21101	19.45	ug/l	97
65) Chlorobenzene	10.14	112	57667	20.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	18485	19.66	ug/l	98
67) Ethyl Benzene	10.26	91	96906	19.90	ug/l	100
68) m/p-Xylenes	10.36	106	76285	40.05	ug/l	99
69) o-Xylene	10.70	106	35430	20.03	ug/l	98
70) Styrene	10.71	104	60371	20.29	ug/l	100
71) Bromoform	10.86	173	12362	19.12	ug/l #	99
73) Isopropylbenzene	11.02	105	98653	19.85	ug/l	100
74) N-amyl acetate	6.46	43	34521	21.84	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	26349	20.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	22274m	20.36	ug/l	
77) Bromobenzene	11.26	156	25857	19.96	ug/l	99
78) n-propylbenzene	11.36	91	120433	20.00	ug/l	100
79) 2-Chlorotoluene	11.42	91	68374	20.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	84280	17.38	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	7012	18.98	ug/l	91
82) 4-Chlorotoluene	11.51	91	82995	20.02	ug/l	99
83) tert-Butylbenzene	11.77	119	82483	19.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	87346	20.01	ug/l	99
85) sec-Butylbenzene	11.95	105	106622	19.86	ug/l	100
86) p-Isopropyltoluene	12.07	119	96951	22.53	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	52429	20.00	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	53712	20.09	ug/l	99
89) n-Butylbenzene	12.39	91	91873	19.79	ug/l	99
90) Hexachloroethane	12.60	117	13740	18.97	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	49409	20.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5190	20.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	38527	19.90	ug/l	100
94) Hexachlorobutadiene	13.79	225	24646	19.91	ug/l	99
95) Naphthalene	13.83	128	83831	20.26	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	35707	20.32	ug/l	99

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

