

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004157.D
 Acq On : 20 Aug 2018 17:08
 Operator : JC/MD
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:54 AM

Quant Time: Aug 21 02:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255708	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	210309	48.33	ug/l	0.00
Spiked Amount						
			Recovery	=	96.66%	
35) Dibromofluoromethane	5.50	113	176317	53.10	ug/l	0.00
Spiked Amount						
			Recovery	=	106.20%	
50) Toluene-d8	8.71	98	674476	50.10	ug/l	0.00
Spiked Amount						
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	244116	49.99	ug/l	0.00
Spiked Amount						
			Recovery	=	99.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	54600	18.16	ug/l	99
3) Chloromethane	1.32	50	69251	18.77	ug/l	98
4) Vinyl Chloride	1.40	62	73040	18.30	ug/l	100
5) Bromomethane	1.64	94	41057	20.19	ug/l	98
6) Chloroethane	1.72	64	51810	18.62	ug/l	97
7) Trichlorofluoromethane	1.93	101	103253	18.44	ug/l	98
8) Diethyl Ether	2.19	74	47180	19.30	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64869	18.57	ug/l	99
10) Methyl Iodide	2.51	142	54960	18.27	ug/l	99
11) Tert butyl alcohol	3.07	59	84645	96.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	61274	18.86	ug/l	94
13) Acrolein	2.29	56	62227	111.04	ug/l	99
14) Allyl chloride	2.73	41	115032	18.61	ug/l	99
15) Acrylonitrile	3.15	53	207594	95.02	ug/l	100
16) Acetone	2.45	43	211684	93.57	ug/l	99
17) Carbon Disulfide	2.57	76	158425	17.19	ug/l	99
18) Methyl Acetate	2.78	43	104306	20.75	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	215431	18.82	ug/l	99
20) Methylene Chloride	2.86	84	73507	19.51	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	67583	18.32	ug/l	99
22) Diisopropyl ether	3.87	45	217696	17.97	ug/l	99
23) Vinyl Acetate	3.82	43	903772	90.84	ug/l	100
24) 1,1-Dichloroethane	3.69	63	124223	18.11	ug/l	100
25) 2-Butanone	4.70	43	324082	88.04	ug/l	97
26) 2,2-Dichloropropane	4.58	77	93934	17.22	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	76506	18.44	ug/l	97
28) Bromochloromethane	5.02	49	63972	20.32	ug/l	99
29) Tetrahydrofuran	5.16	42	163265	86.81	ug/l	100
30) Chloroform	5.21	83	128995	19.26	ug/l	100
31) Cyclohexane	5.57	56	103404	17.19	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	105190	18.80	ug/l	99
36) 1,1-Dichloropropene	5.80	75	93677	18.55	ug/l	99
37) Ethyl Acetate	4.86	43	98470	17.91	ug/l	100
38) Carbon Tetrachloride	5.78	117	91500	18.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	102240	17.85	ug/l	98
40) Benzene	6.14	78	289659	19.11	ug/l	99
41) Methacrylonitrile	5.06	41	54212	17.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101312	19.09	ug/l	100
43) Isopropyl Acetate	6.46	43	146274	18.05	ug/l	100
44) Trichloroethene	7.21	130	76644	18.62	ug/l	92
45) 1,2-Dichloropropane	7.52	63	72535	18.69	ug/l	99
46) Dibromomethane	7.67	93	48522	19.13	ug/l	99
47) Bromodichloromethane	7.90	83	90943	18.93	ug/l	100
48) Methyl methacrylate	7.78	41	76973	18.87	ug/l	98
49) 1,4-Dioxane	7.76	88	34154	371.84	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	648881	97.65	ug/l	99
52) Toluene	8.79	92	184610	19.25	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	97612	18.81	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	110276	19.19	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	75753	19.13	ug/l	99
56) Ethyl methacrylate	9.18	69	100875	18.73	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125838	19.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	267635	97.61	ug/l	99
59) 2-Hexanone	9.50	43	485973	97.17	ug/l	99
60) Dibromochloromethane	9.59	129	72153	18.94	ug/l	100
61) 1,2-Dibromoethane	9.67	107	77007	19.08	ug/l	100
64) Tetrachloroethene	9.34	164	72278	17.78	ug/l	96
65) Chlorobenzene	10.14	112	209440	18.90	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	73102	19.34	ug/l	99
67) Ethyl Benzene	10.25	91	335284	19.11	ug/l	98
68) m/p-Xylenes	10.36	106	269434	39.21	ug/l	98
69) o-Xylene	10.70	106	125056	19.05	ug/l	94
70) Styrene	10.71	104	214019	19.37	ug/l	98
71) Bromoform	10.86	173	53435	17.83	ug/l #	98
73) Isopropylbenzene	11.02	105	341553	19.74	ug/l	96
74) N-amyl acetate	6.46	43	146274	17.97	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	116789	19.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	100468m	19.59	ug/l	
77) Bromobenzene	11.26	156	92603	19.41	ug/l	99
78) n-propylbenzene	11.36	91	382896	19.77	ug/l	99
79) 2-Chlorotoluene	11.42	91	224245	19.00	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	280069	19.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28265	17.06	ug/l	95
82) 4-Chlorotoluene	11.51	91	270477	19.39	ug/l	98
83) tert-Butylbenzene	11.77	119	280880	19.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	299953	20.44	ug/l	99
85) sec-Butylbenzene	11.94	105	335985	20.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	303276	20.04	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	173663	19.09	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	176966	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	241696	20.26	ug/l	99
90) Hexachloroethane	12.60	117	44218	19.52	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	171971	20.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21207	19.97	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	115513	20.60	ug/l	98
94) Hexachlorobutadiene	13.79	225	51901	18.46	ug/l	98
95) Naphthalene	13.83	128	334933	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	114552	18.73	ug/l	97

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

