

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004174.D
 Acq On : 21 Aug 2018 14:31
 Operator : JC/MD
 Sample : VX0821WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:16:53 AM

Quant Time: Aug 22 01:31:33 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	5.66	168	304291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	439006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246011	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	207064	48.30	ug/l	0.00
Spiked Amount						
			Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	172553	52.52	ug/l	0.00
Spiked Amount						
			Recovery	=	105.04%	
50) Toluene-d8	8.71	98	664792	49.90	ug/l	0.00
Spiked Amount						
			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	230358	47.68	ug/l	0.00
Spiked Amount						
			Recovery	=	95.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52302	17.66	ug/l	95
3) Chloromethane	1.32	50	67468	18.56	ug/l	99
4) Vinyl Chloride	1.40	62	71487	18.18	ug/l	99
5) Bromomethane	1.64	94	40730	20.33	ug/l	97
6) Chloroethane	1.72	64	50474	18.39	ug/l	96
7) Trichlorofluoromethane	1.93	101	100174	18.16	ug/l	95
8) Diethyl Ether	2.18	74	44455	18.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	62382	18.12	ug/l	99
10) Methyl Iodide	2.51	142	57524	19.09	ug/l	99
11) Tert butyl alcohol	3.07	59	82133	95.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57410	17.93	ug/l	96
13) Acrolein	2.29	56	55855	102.13	ug/l	100
14) Allyl chloride	2.73	41	113140	18.58	ug/l	98
15) Acrylonitrile	3.15	53	205082	95.27	ug/l	99
16) Acetone	2.45	43	206227	92.52	ug/l	99
17) Carbon Disulfide	2.57	76	149081	16.42	ug/l	97
18) Methyl Acetate	2.78	43	105395	21.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	209132	18.54	ug/l	100
20) Methylene Chloride	2.86	84	71018	19.12	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	64694	17.80	ug/l	96
22) Diisopropyl ether	3.87	45	220145	18.44	ug/l	98
23) Vinyl Acetate	3.82	43	929304	94.80	ug/l	98
24) 1,1-Dichloroethane	3.69	63	126355	18.69	ug/l	100
25) 2-Butanone	4.70	43	343370	94.67	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96977	18.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79953	19.56	ug/l	96
28) Bromochloromethane	5.02	49	60282	19.44	ug/l	99
29) Tetrahydrofuran	5.16	42	167888	90.60	ug/l	99
30) Chloroform	5.21	83	127336	19.30	ug/l	98
31) Cyclohexane	5.57	56	105807	17.85	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	106086	19.24	ug/l	99
36) 1,1-Dichloropropene	5.79	75	95126	19.04	ug/l	99
37) Ethyl Acetate	4.86	43	100664	18.50	ug/l	99
38) Carbon Tetrachloride	5.78	117	89963	18.54	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103773	18.31	ug/l	97
40) Benzene	6.14	78	291265	19.42	ug/l	99
41) Methacrylonitrile	5.06	41	55856	18.33	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101034	19.24	ug/l	99
43) Isopropyl Acetate	6.46	43	150303	18.74	ug/l	100
44) Trichloroethene	7.21	130	77610	19.06	ug/l	92
45) 1,2-Dichloropropane	7.52	63	75312	19.61	ug/l	99
46) Dibromomethane	7.66	93	48244	19.22	ug/l	100
47) Bromodichloromethane	7.90	83	90712	19.09	ug/l	99
48) Methyl methacrylate	7.77	41	78616	19.48	ug/l	99
49) 1,4-Dioxane	7.76	88	36062	396.81	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	653246	99.35	ug/l	99
52) Toluene	8.79	92	185129	19.51	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	99249	19.33	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	110257	19.39	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	75664	19.31	ug/l	99
56) Ethyl methacrylate	9.18	69	104892	19.69	ug/l	99
57) 1,3-Dichloropropane	9.37	76	126886	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	270960	99.88	ug/l	99
59) 2-Hexanone	9.50	43	490307	99.09	ug/l	99
60) Dibromochloromethane	9.59	129	72512	19.23	ug/l	98
61) 1,2-Dibromoethane	9.67	107	77465	19.40	ug/l	99
64) Tetrachloroethene	9.34	164	71422	17.99	ug/l	95
65) Chlorobenzene	10.14	112	207237	19.15	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	72723	19.70	ug/l	99
67) Ethyl Benzene	10.25	91	339359	19.80	ug/l	97
68) m/p-Xylenes	10.36	106	255376	38.05	ug/l	100
69) o-Xylene	10.70	106	116171	18.11	ug/l	96
70) Styrene	10.71	104	201063	18.63	ug/l	98
71) Bromoform	10.86	173	49169	16.80	ug/l #	100
73) Isopropylbenzene	11.02	105	316937	19.04	ug/l	96
74) N-amyl acetate	6.46	43	150303	19.19	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109080	18.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	99396m	20.15	ug/l	
77) Bromobenzene	11.26	156	88948	19.38	ug/l	97
78) n-propylbenzene	11.36	91	354354	19.02	ug/l	99
79) 2-Chlorotoluene	11.42	91	224462	19.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	262193	19.23	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	27333	17.15	ug/l	93
82) 4-Chlorotoluene	11.51	91	251858	18.77	ug/l	100
83) tert-Butylbenzene	11.77	119	274339	19.96	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	287733	20.38	ug/l	98
85) sec-Butylbenzene	11.94	105	303703	18.88	ug/l	99
86) p-Isopropyltoluene	12.07	119	290653	19.96	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	158910	18.16	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	164347	18.24	ug/l	97
89) n-Butylbenzene	12.39	91	229795	20.02	ug/l	99
90) Hexachloroethane	12.60	117	38803	17.81	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	156417	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19503	19.09	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	103931	19.26	ug/l	98
94) Hexachlorobutadiene	13.79	225	52465	19.40	ug/l	98
95) Naphthalene	13.83	128	323403	19.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	119475	20.31	ug/l	98

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

