

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006464.D
 Acq On : 13 Dec 2018 00:39
 Operator : JC/MD
 Sample : VX1212WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:40 AM

Quant Time: Dec 13 07:20:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	849199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	767356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	398986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	305431	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	5.50	113	282252	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	8.71	98	1020957	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.13	95	391675	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	105690	19.870	ug/l	95
3) Chloromethane	1.33	50	114257	20.903	ug/l	98
4) Vinyl Chloride	1.41	62	123326	20.963	ug/l	97
5) Bromomethane	1.64	94	118041	28.952	ug/l	98
6) Chloroethane	1.72	64	77800	21.569	ug/l	99
7) Trichlorofluoromethane	1.93	101	188853	20.913	ug/l	100
8) Diethyl Ether	2.19	74	74805	21.887	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	106252	20.692	ug/l	98
10) Methyl Iodide	2.51	142	169279	21.875	ug/l	99
11) Tert butyl alcohol	3.07	59	157654	103.951	ug/l	99
12) 1,1-Dichloroethene	2.38	96	107289	21.826	ug/l	89
13) Acrolein	2.29	56	95794	115.563	ug/l	99
14) Allyl chloride	2.73	41	179599	18.496	ug/l	98
15) Acrylonitrile	3.15	53	327409	103.453	ug/l	100
16) Acetone	2.45	43	267136	102.644	ug/l	96
17) Carbon Disulfide	2.57	76	281792	18.604	ug/l	100
18) Methyl Acetate	2.78	43	179945	20.675	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	369421	21.066	ug/l	97
20) Methylene Chloride	2.86	84	120852	21.819	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	114636	21.884	ug/l	90
22) Diisopropyl ether	3.87	45	328216	21.640	ug/l	98
23) Vinyl Acetate	3.82	43	1326189	102.517	ug/l	100
24) 1,1-Dichloroethane	3.70	63	189568	21.867	ug/l	99
25) 2-Butanone	4.70	43	393232	105.893	ug/l	100
26) 2,2-Dichloropropane	4.59	77	124944	15.617	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	131201	22.454	ug/l	97
28) Bromochloromethane	5.02	49	83434	22.034	ug/l	99
29) Tetrahydrofuran	5.15	42	269001	104.229	ug/l	96
30) Chloroform	5.21	83	204144	22.408	ug/l	100
31) Cyclohexane	5.58	56	170018	21.221	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	179907	20.755	ug/l	99
36) 1,1-Dichloropropene	5.80	75	147872	20.678	ug/l	99
37) Ethyl Acetate	4.85	43	156765	19.575	ug/l	98
38) Carbon Tetrachloride	5.78	117	156186	18.565	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188864	20.346	ug/l	97
40) Benzene	6.15	78	457127	21.343	ug/l	100
41) Methacrylonitrile	5.06	41	84081	19.081	ug/l	96
42) 1,2-Dichloroethane	6.20	62	154662	22.064	ug/l	100
43) Isopropyl Acetate	6.46	43	247113	18.507	ug/l	98
44) Trichloroethene	7.21	130	133557	20.584	ug/l	97
45) 1,2-Dichloropropane	7.52	63	113860	20.917	ug/l	99
46) Dibromomethane	7.66	93	81697	20.781	ug/l	96
47) Bromodichloromethane	7.90	83	141441	18.578	ug/l	99
48) Methyl methacrylate	7.77	41	128413	19.769	ug/l	99
49) 1,4-Dioxane	7.75	88	66715	416.719	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	780554	100.420	ug/l	98
52) Toluene	8.79	92	300564	21.330	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147524	16.569	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164611	17.804	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	122188	21.344	ug/l	99
56) Ethyl methacrylate	9.18	69	180894	20.213	ug/l	97
57) 1,3-Dichloropropane	9.37	76	193604	21.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	422609	93.058	ug/l	98
59) 2-Hexanone	9.49	43	595323	100.248	ug/l	98
60) Dibromochloromethane	9.59	129	122333	17.330	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132218	20.656	ug/l	99
64) Tetrachloroethene	9.34	164	126802	21.942	ug/l	98
65) Chlorobenzene	10.14	112	350920	21.543	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120810	19.088	ug/l	99
67) Ethyl Benzene	10.25	91	576063	21.263	ug/l	100
68) m/p-Xylenes	10.36	106	463157	42.678	ug/l	99
69) o-Xylene	10.70	106	225298	21.017	ug/l	98
70) Styrene	10.71	104	359616	20.742	ug/l	98
71) Bromoform	10.86	173	89754	15.023	ug/l #	100
73) Isopropylbenzene	11.02	105	597716	21.693	ug/l	100
74) N-amyl acetate	10.90	43	224213	18.897	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	184869	20.972	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169556m	22.017	ug/l	
77) Bromobenzene	11.26	156	160173	20.947	ug/l	96
78) n-propylbenzene	11.36	91	650205	21.229	ug/l	100
79) 2-Chlorotoluene	11.42	91	400368	21.993	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	500945	21.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43182	13.159	ug/l #	81
82) 4-Chlorotoluene	11.51	91	457278	21.605	ug/l	98
83) tert-Butylbenzene	11.77	119	514824	21.047	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	507915	21.456	ug/l	99
85) sec-Butylbenzene	11.94	105	596187	21.425	ug/l	100
86) p-Isopropyltoluene	12.06	119	538106	21.475	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	288506	21.204	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	290275	21.020	ug/l	99
89) n-Butylbenzene	12.39	91	435373	20.363	ug/l	99
90) Hexachloroethane	12.60	117	82304	16.116	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	292546	21.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37849	16.750	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	195559	19.850	ug/l	99
94) Hexachlorobutadiene	13.78	225	85925	19.722	ug/l	98
95) Naphthalene	13.83	128	628138	20.497	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	197114	20.201	ug/l	99

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

