

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006613.D
 Acq On : 18 Dec 2018 22:58
 Operator : JC/MD
 Sample : VX1218WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:54 AM

Quant Time: Dec 19 07:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	604327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	956688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	880216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	327567	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	290971	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1112036	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.13	95	407725	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	106005	19.174	ug/l 100
3) Chloromethane	1.33	50	112728	18.926	ug/l 99
4) Vinyl Chloride	1.41	62	123928	19.922	ug/l 99
5) Bromomethane	1.64	94	126776	20.716	ug/l 100
6) Chloroethane	1.71	64	79945	18.560	ug/l 94
7) Trichlorofluoromethane	1.93	101	191167	19.711	ug/l 100
8) Diethyl Ether	2.19	74	74078	19.230	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	109266	19.188	ug/l 98
10) Methyl Iodide	2.51	142	164944	20.235	ug/l 98
11) Tert butyl alcohol	3.07	59	154974	106.617	ug/l 98
12) 1,1-Dichloroethene	2.37	96	103408	19.151	ug/l 96
13) Acrolein	2.30	56	90141	91.926	ug/l 98
14) Allyl chloride	2.73	41	170904	18.804	ug/l 97
15) Acrylonitrile	3.15	53	330554	102.422	ug/l 99
16) Acetone	2.45	43	272806	91.168	ug/l 96
17) Carbon Disulfide	2.57	76	252121	17.644	ug/l 99
18) Methyl Acetate	2.78	43	181616	20.641	ug/l 94
19) Methyl tert-butyl Ether	3.20	73	368023	20.536	ug/l 98
20) Methylene Chloride	2.86	84	122784	19.843	ug/l 92
21) trans-1,2-Dichloroethene	3.17	96	113473	18.967	ug/l 92
22) Diisopropyl ether	3.87	45	328139	19.735	ug/l 98
23) Vinyl Acetate	3.82	43	1311254	96.413	ug/l 99
24) 1,1-Dichloroethane	3.70	63	190680	19.211	ug/l 98
25) 2-Butanone	4.70	43	410893	97.620	ug/l 97
26) 2,2-Dichloropropane	4.59	77	116197	15.155	ug/l 97
27) cis-1,2-Dichloroethene	4.60	96	129002	19.544	ug/l 96
28) Bromochloromethane	5.02	49	91314	20.740	ug/l 96
29) Tetrahydrofuran	5.15	42	280687	101.248	ug/l 99
30) Chloroform	5.21	83	200275	19.485	ug/l 98
31) Cyclohexane	5.57	56	172066	19.082	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	165923	19.118	ug/l 97
36) 1,1-Dichloropropene	5.79	75	147986	18.677	ug/l 99
37) Ethyl Acetate	4.85	43	158194	19.182	ug/l 98
38) Carbon Tetrachloride	5.78	117	139093	18.063	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189800	18.195	ug/l	100
40) Benzene	6.14	78	462049	19.184	ug/l	98
41) Methacrylonitrile	5.06	41	88821	19.166	ug/l	99
42) 1,2-Dichloroethane	6.20	62	155711	18.973	ug/l	100
43) Isopropyl Acetate	6.46	43	243360	19.394	ug/l	99
44) Trichloroethene	7.21	130	135122	18.536	ug/l	89
45) 1,2-Dichloropropane	7.52	63	113557	19.375	ug/l	97
46) Dibromomethane	7.66	93	81360	18.872	ug/l	96
47) Bromodichloromethane	7.90	83	130815	18.277	ug/l	99
48) Methyl methacrylate	7.77	41	125301	19.636	ug/l	98
49) 1,4-Dioxane	7.75	88	68568	398.736	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	805672	100.910	ug/l	99
52) Toluene	8.78	92	299616	19.256	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	131291	17.103	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	153184	18.187	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	124895	19.610	ug/l	99
56) Ethyl methacrylate	9.18	69	172159	19.125	ug/l	99
57) 1,3-Dichloropropane	9.37	76	196291	19.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	481141	100.552	ug/l	100
59) 2-Hexanone	9.49	43	595312	97.453	ug/l	99
60) Dibromochloromethane	9.58	129	106553	17.577	ug/l	98
61) 1,2-Dibromoethane	9.67	107	131543	19.429	ug/l	98
64) Tetrachloroethene	9.34	164	133649	19.175	ug/l	98
65) Chlorobenzene	10.14	112	353142	18.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	109274	18.808	ug/l	100
67) Ethyl Benzene	10.25	91	572491	18.814	ug/l	99
68) m/p-Xylenes	10.36	106	459717	38.287	ug/l	100
69) o-Xylene	10.70	106	228123	19.240	ug/l	99
70) Styrene	10.71	104	360117	19.198	ug/l	99
71) Bromoform	10.86	173	75910	17.653	ug/l #	98
73) Isopropylbenzene	11.02	105	593664	19.701	ug/l	99
74) N-amyl acetate	10.90	43	209583	19.430	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	177119	19.763	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	164878m	21.357	ug/l	
77) Bromobenzene	11.26	156	157468	19.328	ug/l	97
78) n-propylbenzene	11.36	91	646071	19.469	ug/l	99
79) 2-Chlorotoluene	11.42	91	390287	19.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	491263	19.793	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	34743	16.055	ug/l #	70
82) 4-Chlorotoluene	11.51	91	449819	19.500	ug/l	99
83) tert-Butylbenzene	11.77	119	479734	19.312	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	508331	19.471	ug/l	98
85) sec-Butylbenzene	11.94	105	592458	19.452	ug/l	99
86) p-Isopropyltoluene	12.06	119	526706	19.673	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	282567	19.245	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	278811	18.501	ug/l	97
89) n-Butylbenzene	12.39	91	429891	18.867	ug/l	99
90) Hexachloroethane	12.60	117	66798	18.185	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	280896	19.124	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33101	17.850	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	186763	18.434	ug/l	98
94) Hexachlorobutadiene	13.79	225	81557	17.078	ug/l	97
95) Naphthalene	13.83	128	614886	19.015	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	196089	18.745	ug/l	97

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

