

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005250.D
 Acq On : 11 Oct 2018 12:34
 Operator : JC/MD
 Sample : VX1010WBS08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS08

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:06 AM

Quant Time: Oct 11 13:47:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	128807	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	
35) Dibromofluoromethane	5.51	113	103468	38.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.92%	
50) Toluene-d8	8.72	98	371857	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	
62) 4-Bromofluorobenzene	11.14	95	138695	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	48593	16.37	ug/l	98
3) Chloromethane	1.32	50	54738	15.20	ug/l	99
4) Vinyl Chloride	1.40	62	53952	15.98	ug/l	100
5) Bromomethane	1.64	94	31667	15.81	ug/l	96
6) Chloroethane	1.72	64	36778	18.52	ug/l	97
7) Trichlorofluoromethane	1.93	101	71759	17.17	ug/l	95
8) Diethyl Ether	2.19	74	27711	15.26	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	39189	16.46	ug/l	100
10) Methyl Iodide	2.51	142	42742	13.41	ug/l	91
11) Tert butyl alcohol	3.07	59	73761	84.85	ug/l	100
12) 1,1-Dichloroethene	2.37	96	38104	16.16	ug/l	98
13) Acrolein	2.29	56	39213	63.40	ug/l	90
14) Allyl chloride	2.73	41	84678	16.46	ug/l	96
15) Acrylonitrile	3.15	53	155999	81.52	ug/l	94
16) Acetone	2.45	43	158010	87.05	ug/l	94
17) Carbon Disulfide	2.57	76	103553	14.61	ug/l	99
18) Methyl Acetate	2.78	43	89368	19.43	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	138617	17.04	ug/l	95
20) Methylene Chloride	2.85	84	43876	16.06	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	40116	15.54	ug/l	89
22) Diisopropyl ether	3.87	45	132840	15.33	ug/l	95
23) Vinyl Acetate	3.82	43	651786	82.18	ug/l #	93
24) 1,1-Dichloroethane	3.70	63	81307	15.73	ug/l	100
25) 2-Butanone	4.71	43	208323	77.86	ug/l #	89
26) 2,2-Dichloropropane	4.58	77	57927	16.09	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	41732	14.47	ug/l	94
28) Bromochloromethane	5.02	49	32775	13.47	ug/l	100
29) Tetrahydrofuran	5.17	42	131460	79.05	ug/l	98
30) Chloroform	5.21	83	73376	15.02	ug/l	100
31) Cyclohexane	5.58	56	59226	14.97	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	63343	15.88	ug/l	95
36) 1,1-Dichloropropene	5.80	75	52130	14.39	ug/l	94
37) Ethyl Acetate	4.86	43	70655	14.69	ug/l	98
38) Carbon Tetrachloride	5.78	117	55132	14.47	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	56425	15.25	ug/l #	85
40) Benzene	6.15	78	164789	14.53	ug/l	94
41) Methacrylonitrile	5.06	41	38472	14.42	ug/l #	96
42) 1,2-Dichloroethane	6.21	62	61285	15.28	ug/l	97
43) Isopropyl Acetate	6.46	43	98533	14.19	ug/l	96
44) Trichloroethene	7.21	130	42273	15.16	ug/l	99
45) 1,2-Dichloropropane	7.52	63	43055	15.48	ug/l	93
46) Dibromomethane	7.66	93	27849	15.93	ug/l	98
47) Bromodichloromethane	7.90	83	53661	16.39	ug/l	96
48) Methyl methacrylate	7.78	41	51930	16.48	ug/l	98
49) 1,4-Dioxane	7.76	88	25222	322.17	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	367411	84.05	ug/l	98
52) Toluene	8.79	92	101134	16.22	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	57643	15.58	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	63908	16.49	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	42426	15.54	ug/l	96
56) Ethyl methacrylate	9.18	69	60676	15.77	ug/l	97
57) 1,3-Dichloropropane	9.37	76	69537	15.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	163381	79.73	ug/l	98
59) 2-Hexanone	9.50	43	292461	80.28	ug/l	94
60) Dibromochloromethane	9.59	129	43088	15.78	ug/l	98
61) 1,2-Dibromoethane	9.67	107	43639	14.92	ug/l	95
64) Tetrachloroethene	9.34	164	42414	14.42	ug/l	97
65) Chlorobenzene	10.14	112	113409	14.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	41106	15.26	ug/l	100
67) Ethyl Benzene	10.26	91	182067	14.97	ug/l	96
68) m/p-Xylenes	10.36	106	143117	30.11	ug/l	94
69) o-Xylene	10.70	106	67440	15.45	ug/l	99
70) Styrene	10.71	104	114503	15.56	ug/l	99
71) Bromoform	10.86	173	34887	15.13	ug/l #	95
73) Isopropylbenzene	11.02	105	188484	18.06	ug/l	100
74) N-amyl acetate	10.90	43	86758	16.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70192	16.52	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	71297m	19.21	ug/l	
77) Bromobenzene	11.26	156	51912	17.13	ug/l	99
78) n-propylbenzene	11.36	91	216127	18.05	ug/l	99
79) 2-Chlorotoluene	11.42	91	131622	17.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	160104	16.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18936	15.35	ug/l	98
82) 4-Chlorotoluene	11.51	91	154890	17.63	ug/l	100
83) tert-Butylbenzene	11.77	119	157350	18.31	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	166528	16.75	ug/l	99
85) sec-Butylbenzene	11.94	105	190669	18.22	ug/l	100
86) p-Isopropyltoluene	12.07	119	170789	18.01	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	95300	16.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97518	16.69	ug/l	99
89) n-Butylbenzene	12.39	91	146344	17.00	ug/l	99
90) Hexachloroethane	12.60	117	28195	17.86	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	97286	16.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16479	17.67	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	69714	16.80	ug/l	100
94) Hexachlorobutadiene	13.79	225	37093	17.24	ug/l	99
95) Naphthalene	13.83	128	208778	15.66	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	73137	17.06	ug/l	99

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

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