

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005045.D
 Acq On : 05 Oct 2018 04:04
 Operator : JC/MD
 Sample : VX1004WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS04

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 3:24:54 PM

Quant Time: Oct 05 05:33:48 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	208500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179005	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	160031	53.73	ug/l	0.00
Spiked Amount						
			Recovery	=	107.46%	
35) Dibromofluoromethane	5.49	113	131642	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	481377	53.70	ug/l	0.00
Spiked Amount						
			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.14	95	174166	53.93	ug/l	0.00
Spiked Amount						
			Recovery	=	107.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59262	20.846	ug/l	98
3) Chloromethane	1.32	50	67097	19.454	ug/l	100
4) Vinyl Chloride	1.40	62	68790	21.265	ug/l	98
5) Bromomethane	1.64	94	40315	21.017	ug/l	96
6) Chloroethane	1.71	64	40634	21.733	ug/l	100
7) Trichlorofluoromethane	1.92	101	85878	21.444	ug/l	96
8) Diethyl Ether	2.19	74	35924	20.649	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50921	22.322	ug/l	95
10) Methyl Iodide	2.51	142	43679	14.309	ug/l	91
11) Tert butyl alcohol	3.08	59	92835	111.474	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46302	20.495	ug/l	97
13) Acrolein	2.29	56	16611	28.034	ug/l	85
14) Allyl chloride	2.72	41	103714	21.040	ug/l	96
15) Acrylonitrile	3.15	53	208771	113.877	ug/l	97
16) Acetone	2.45	43	182953	105.214	ug/l	93
17) Carbon Disulfide	2.57	76	124307	18.311	ug/l	100
18) Methyl Acetate	2.78	43	113525	25.768	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	183439	23.540	ug/l	92
20) Methylene Chloride	2.85	84	55949	21.654	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	50877	20.572	ug/l #	83
22) Diisopropyl ether	3.87	45	194755	23.463	ug/l #	91
23) Vinyl Acetate	3.82	43	831456	109.431	ug/l	97
24) 1,1-Dichloroethane	3.70	63	105152	21.237	ug/l	99
25) 2-Butanone	4.70	43	269369	105.094	ug/l	95
26) 2,2-Dichloropropane	4.58	77	45056	13.068	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	57847	20.938	ug/l	95
28) Bromochloromethane	5.03	49	50661	21.727	ug/l	97
29) Tetrahydrofuran	5.16	42	177716	111.555	ug/l	99
30) Chloroform	5.21	83	96704	20.665	ug/l	99
31) Cyclohexane	5.57	56	80678	21.289	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	80988	21.192	ug/l	96
36) 1,1-Dichloropropene	5.79	75	70517	19.167	ug/l	92
37) Ethyl Acetate	4.85	43	96776	19.816	ug/l	98
38) Carbon Tetrachloride	5.78	117	68910	17.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69975	18.626	ug/l #	84
40) Benzene	6.14	78	227484	19.750	ug/l	92
41) Methacrylonitrile	5.06	41	53539	19.768	ug/l	97
42) 1,2-Dichloroethane	6.20	62	78187	19.202	ug/l	97
43) Isopropyl Acetate	6.46	43	134275	19.049	ug/l	96
44) Trichloroethene	7.21	130	56079	19.805	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57811	20.467	ug/l	96
46) Dibromomethane	7.66	93	36890	20.781	ug/l	99
47) Bromodichloromethane	7.90	83	68721	20.677	ug/l	99
48) Methyl methacrylate	7.78	41	70861	22.149	ug/l	100
49) 1,4-Dioxane	7.76	88	33330	419.329	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	497212	112.029	ug/l	99
52) Toluene	8.79	92	131929	20.845	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70072	18.657	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	77750	19.764	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	56043	20.215	ug/l	94
56) Ethyl methacrylate	9.18	69	81821	20.009	ug/l	98
57) 1,3-Dichloropropane	9.37	76	92690	20.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	243601	110.411	ug/l	100
59) 2-Hexanone	9.50	43	388501	105.044	ug/l	94
60) Dibromochloromethane	9.59	129	54488	19.653	ug/l	99
61) 1,2-Dibromoethane	9.68	107	57775	19.459	ug/l	96
64) Tetrachloroethene	9.34	164	59009	19.804	ug/l	95
65) Chlorobenzene	10.14	112	146318	18.847	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	52229	19.137	ug/l	100
67) Ethyl Benzene	10.26	91	237142	19.240	ug/l	97
68) m/p-Xylenes	10.36	106	185894	38.596	ug/l	93
69) o-Xylene	10.70	106	88633	20.036	ug/l	99
70) Styrene	10.71	104	150578	19.561	ug/l	100
71) Bromoform	10.86	173	43976	18.821	ug/l	99
73) Isopropylbenzene	11.02	105	240331	21.300	ug/l	100
74) N-amyl acetate	10.90	43	113252	19.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	90041	19.604	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	81522m	20.319	ug/l	
77) Bromobenzene	11.26	156	66975	20.437	ug/l	99
78) n-propylbenzene	11.36	91	271972	21.008	ug/l	99
79) 2-Chlorotoluene	11.42	91	170200	21.092	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	204261	19.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19875	14.961	ug/l	95
82) 4-Chlorotoluene	11.51	91	197663	20.811	ug/l	99
83) tert-Butylbenzene	11.77	119	195828	21.080	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	212174	19.776	ug/l	99
85) sec-Butylbenzene	11.94	105	237050	20.950	ug/l	100
86) p-Isopropyltoluene	12.07	119	209855	20.471	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	120588	19.706	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122513	19.394	ug/l	97
89) n-Butylbenzene	12.39	91	176996	19.011	ug/l	99
90) Hexachloroethane	12.60	117	32605	19.102	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	122926	19.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20334	20.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85748	19.114	ug/l	99
94) Hexachlorobutadiene	13.79	225	40958	17.607	ug/l	99
95) Naphthalene	13.83	128	279842	19.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91646	19.776	ug/l	99

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

