

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004601.D
 Acq On : 15 Sep 2018 23:33
 Operator : JC/MD
 Sample : VX0915WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:28 PM

Quant Time: Sep 17 08:50:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	167016	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	5.51	113	146713	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	8.72	98	481148	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	11.14	95	174643	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47621	19.09	ug/l	95
3) Chloromethane	1.32	50	63805	18.58	ug/l	96
4) Vinyl Chloride	1.40	62	67749	19.22	ug/l	95
5) Bromomethane	1.64	94	30830	20.19	ug/l	98
6) Chloroethane	1.72	64	47500	20.84	ug/l #	88
7) Trichlorofluoromethane	1.93	101	88479	18.94	ug/l	100
8) Diethyl Ether	2.19	74	40680	19.42	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55532	18.74	ug/l	98
10) Methyl Iodide	2.51	142	42231	15.16	ug/l	98
11) Tert butyl alcohol	3.06	59	79129	96.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	54224	19.49	ug/l	94
13) Acrolein	2.29	56	51881	160.45	ug/l	95
14) Allyl chloride	2.73	41	103740	18.14	ug/l	95
15) Acrylonitrile	3.15	53	183270	92.91	ug/l	99
16) Acetone	2.45	43	147875	88.26	ug/l	92
17) Carbon Disulfide	2.57	76	151590	18.85	ug/l	99
18) Methyl Acetate	2.78	43	88994	18.93	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	189665	19.43	ug/l	97
20) Methylene Chloride	2.86	84	63540	18.49	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	59327	19.30	ug/l	88
22) Diisopropyl ether	3.87	45	197847	19.21	ug/l	91
23) Vinyl Acetate	3.82	43	792452	95.07	ug/l	99
24) 1,1-Dichloroethane	3.70	63	109913	18.90	ug/l	98
25) 2-Butanone	4.70	43	232475	87.18	ug/l	92
26) 2,2-Dichloropropane	4.58	77	61412	15.38	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	67325	19.62	ug/l	98
28) Bromochloromethane	5.02	49	52599	19.77	ug/l	96
29) Tetrahydrofuran	5.16	42	152636	94.92	ug/l	98
30) Chloroform	5.21	83	110294	19.43	ug/l	94
31) Cyclohexane	5.57	56	98219	19.78	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	90541	19.80	ug/l	99
36) 1,1-Dichloropropene	5.80	75	82316	20.03	ug/l	99
37) Ethyl Acetate	4.85	43	87532	18.73	ug/l	100
38) Carbon Tetrachloride	5.79	117	77746	19.37	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80928	18.87	ug/l	96
40) Benzene	6.14	78	248785	20.40	ug/l	96
41) Methacrylonitrile	5.06	41	50403	19.57	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82229	20.33	ug/l	99
43) Isopropyl Acetate	6.46	43	122663	19.76	ug/l	99
44) Trichloroethene	7.21	130	61215	19.32	ug/l	96
45) 1,2-Dichloropropane	7.52	63	55324	18.86	ug/l	99
46) Dibromomethane	7.66	93	35612	19.21	ug/l	99
47) Bromodichloromethane	7.90	83	66028	18.84	ug/l	99
48) Methyl methacrylate	7.77	41	58441	19.02	ug/l	97
49) 1,4-Dioxane	7.76	88	28951	398.14	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	381141	87.00	ug/l	98
52) Toluene	8.79	92	135101	18.81	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	76799	18.76	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	77769	18.63	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	64271	20.78	ug/l	91
56) Ethyl methacrylate	9.18	69	90180	20.61	ug/l	97
57) 1,3-Dichloropropane	9.37	76	107244	21.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	205198	96.63	ug/l	96
59) 2-Hexanone	9.50	43	325801	96.95	ug/l	94
60) Dibromochloromethane	9.59	129	58857	20.21	ug/l	96
61) 1,2-Dibromoethane	9.67	107	56730	19.20	ug/l	98
64) Tetrachloroethene	9.34	164	79400	20.61	ug/l	94
65) Chlorobenzene	10.14	112	151142	19.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	51985	19.67	ug/l	100
67) Ethyl Benzene	10.26	91	250112	20.07	ug/l	99
68) m/p-Xylenes	10.36	106	196972	41.04	ug/l	97
69) o-Xylene	10.70	106	94731	20.53	ug/l	97
70) Styrene	10.71	104	158930	20.79	ug/l	99
71) Bromoform	10.86	173	41618	19.18	ug/l #	100
73) Isopropylbenzene	11.02	105	259337	18.56	ug/l	99
74) N-amyl acetate	10.90	43	100520	17.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	78905	17.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	73171m	17.14	ug/l	
77) Bromobenzene	11.26	156	68278	17.68	ug/l	97
78) n-propylbenzene	11.36	91	292657	18.21	ug/l	100
79) 2-Chlorotoluene	11.42	91	177317	18.20	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	234558	19.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	20697	15.45	ug/l	98
82) 4-Chlorotoluene	11.51	91	219527	19.30	ug/l	97
83) tert-Butylbenzene	11.77	119	237548	21.24	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	263982	22.01	ug/l	99
85) sec-Butylbenzene	11.95	105	313251	21.98	ug/l	97
86) p-Isopropyltoluene	12.07	119	265704	21.11	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	147121	20.41	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	145055	19.48	ug/l	97
89) n-Butylbenzene	12.39	91	211181	18.41	ug/l	98
90) Hexachloroethane	12.60	117	39064	19.39	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	143723	19.70	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19569	20.33	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	111934	21.67	ug/l	97
94) Hexachlorobutadiene	13.79	225	55545	20.59	ug/l	98
95) Naphthalene	13.83	128	336888	23.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	110302	20.79	ug/l	99

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

