

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009692.D
 Acq On : 18 May 2019 04:19
 Operator : JC/SP
 Sample : VX0517WBSD04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBSD04

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 10:47:07 AM

Quant Time: May 18 06:52:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	135456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	224651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	201904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	92243	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	5.50	113	68617	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	266212	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.13	95	98489	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21967	17.598	ug/l	99
3) Chloromethane	1.32	50	35232	20.674	ug/l	100
4) Vinyl Chloride	1.41	62	34490	20.755	ug/l	96
5) Bromomethane	1.64	94	21908	21.965	ug/l	97
6) Chloroethane	1.71	64	22725	21.299	ug/l	100
7) Trichlorofluoromethane	1.93	101	43570	21.569	ug/l	98
8) Diethyl Ether	2.19	74	21461	22.429	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	25874	20.397	ug/l	99
10) Methyl Iodide	2.51	142	25567	20.347	ug/l	99
11) Tert butyl alcohol	3.05	59	53426	124.818	ug/l	99
12) 1,1-Dichloroethene	2.37	96	26870	21.141	ug/l	97
13) Acrolein	2.29	56	37793	97.496	ug/l	99
14) Allyl chloride	2.73	41	64356	20.778	ug/l	99
15) Acrylonitrile	3.14	53	124813	119.260	ug/l	99
16) Acetone	2.45	43	111650	112.447	ug/l	99
17) Carbon Disulfide	2.57	76	67039	18.787	ug/l	100
18) Methyl Acetate	2.78	43	58456	24.755	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	112286	22.751	ug/l	99
20) Methylene Chloride	2.85	84	34706	21.588	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	29012	21.048	ug/l	97
22) Diisopropyl ether	3.85	45	137034	23.005	ug/l	91
23) Vinyl Acetate	3.82	43	588222	115.322	ug/l	99
24) 1,1-Dichloroethane	3.70	63	65513	22.295	ug/l	99
25) 2-Butanone	4.68	43	186311	120.749	ug/l	100
26) 2,2-Dichloropropane	4.59	77	28394	12.982	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	35797	21.758	ug/l	97
28) Bromochloromethane	5.02	49	28281	22.396	ug/l	96
29) Tetrahydrofuran	5.13	42	122622	123.501	ug/l	99
30) Chloroform	5.21	83	60169	22.640	ug/l	99
31) Cyclohexane	5.58	56	56356	20.614	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	48757	22.038	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42740	20.472	ug/l	99
37) Ethyl Acetate	4.84	43	69351	23.842	ug/l	99
38) Carbon Tetrachloride	5.79	117	39032	20.578	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	48090	18.757	ug/l	99
40) Benzene	6.14	78	137685	21.310	ug/l	99
41) Methacrylonitrile	5.04	41	40226	23.232	ug/l	99
42) 1,2-Dichloroethane	6.20	62	52285	22.559	ug/l	100
43) Isopropyl Acetate	6.45	43	107000	22.997	ug/l	99
44) Trichloroethene	7.21	130	32411	20.750	ug/l	96
45) 1,2-Dichloropropane	7.51	63	39445	21.560	ug/l	98
46) Dibromomethane	7.66	93	23164	21.803	ug/l	99
47) Bromodichloromethane	7.90	83	46126	21.765	ug/l	97
48) Methyl methacrylate	7.77	41	53195	23.045	ug/l	99
49) 1,4-Dioxane	7.74	88	21777	465.189	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	367233	120.754	ug/l	99
52) Toluene	8.79	92	84037	21.397	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47464	19.837	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	53096	20.049	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	36006	22.471	ug/l	97
56) Ethyl methacrylate	9.18	69	63755	22.290	ug/l	99
57) 1,3-Dichloropropane	9.37	76	60821	21.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	134471	88.623	ug/l	99
59) 2-Hexanone	9.49	43	286095	119.781	ug/l	98
60) Dibromochloromethane	9.58	129	33622	21.484	ug/l	99
61) 1,2-Dibromoethane	9.67	107	35288	21.817	ug/l	98
64) Tetrachloroethene	9.34	164	31375	22.654	ug/l	97
65) Chlorobenzene	10.14	112	88334	21.870	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	31864	21.761	ug/l	99
67) Ethyl Benzene	10.25	91	158802	21.364	ug/l	99
68) m/p-Xylenes	10.36	106	115847	42.648	ug/l	98
69) o-Xylene	10.69	106	57625	21.501	ug/l	99
70) Styrene	10.71	104	101475	21.784	ug/l	99
71) Bromoform	10.85	173	25110	21.101	ug/l	# 99
73) Isopropylbenzene	11.02	105	153289	21.540	ug/l	99
74) N-amyl acetate	10.90	43	94446	22.764	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	60807	22.921	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	51730m	22.788	ug/l	
77) Bromobenzene	11.26	156	39166	22.174	ug/l	97
78) n-propylbenzene	11.36	91	173154	21.305	ug/l	100
79) 2-Chlorotoluene	11.42	91	107544	21.448	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	128893	21.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	15565	17.544	ug/l	90
82) 4-Chlorotoluene	11.51	91	120224	21.224	ug/l	100
83) tert-Butylbenzene	11.77	119	122822	21.071	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	130307	21.665	ug/l	100
85) sec-Butylbenzene	11.94	105	146269	21.165	ug/l	100
86) p-Isopropyltoluene	12.06	119	131221	21.121	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	67717	21.505	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	67505	21.264	ug/l	99
89) n-Butylbenzene	12.38	91	113691	20.247	ug/l	99
90) Hexachloroethane	12.59	117	22537	21.292	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	69729	21.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13730	23.071	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	46638	21.265	ug/l	99
94) Hexachlorobutadiene	13.78	225	23317	20.819	ug/l	98
95) Naphthalene	13.83	128	160894	22.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48702	21.907	ug/l	98

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

