

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009795.D
 Acq On : 22 May 2019 11:40
 Operator : JC/SP
 Sample : VX0522WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:43:58 AM

Quant Time: May 23 07:27:01 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	5.66	168	184230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109751	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	5.49	113	78963	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
50) Toluene-d8	8.71	98	327602	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
62) 4-Bromofluorobenzene	11.13	95	119744	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28248	16.639	ug/l 98
3) Chloromethane	1.32	50	43181	18.630	ug/l 100
4) Vinyl Chloride	1.41	62	40589	17.958	ug/l 98
5) Bromomethane	1.64	94	25141	18.533	ug/l 99
6) Chloroethane	1.72	64	25668	17.689	ug/l 100
7) Trichlorofluoromethane	1.93	101	49454	18.001	ug/l 98
8) Diethyl Ether	2.18	74	22228	17.081	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29569	17.139	ug/l 96
10) Methyl Iodide	2.51	142	31051	18.661	ug/l 99
11) Tert butyl alcohol	3.04	59	48443	83.214	ug/l 99
12) 1,1-Dichloroethene	2.37	96	29742	17.206	ug/l 99
13) Acrolein	2.29	56	41678	79.053	ug/l 99
14) Allyl chloride	2.73	41	73728	17.502	ug/l 98
15) Acrylonitrile	3.14	53	120581	84.713	ug/l 99
16) Acetone	2.44	43	126140	93.407	ug/l 98
17) Carbon Disulfide	2.57	76	88235	18.181	ug/l 99
18) Methyl Acetate	2.77	43	51667	16.088	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	114487	17.055	ug/l 98
20) Methylene Chloride	2.85	84	36548	16.715	ug/l 95
21) trans-1,2-Dichloroethene	3.17	96	32540	17.358	ug/l 99
22) Diisopropyl ether	3.85	45	143718	17.740	ug/l 100
23) Vinyl Acetate	3.81	43	632688	91.201	ug/l 98
24) 1,1-Dichloroethane	3.70	63	68727	17.197	ug/l 100
25) 2-Butanone	4.67	43	185289	88.295	ug/l 97
26) 2,2-Dichloropropane	4.58	77	50723	17.051	ug/l 97
27) cis-1,2-Dichloroethene	4.60	96	38570	17.237	ug/l 99
28) Bromochloromethane	5.01	49	36722	21.250	ug/l 97
29) Tetrahydrofuran	5.12	42	117343	86.895	ug/l 98
30) Chloroform	5.21	83	62694	17.345	ug/l 99
31) Cyclohexane	5.58	56	68440	18.407	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	51604	17.150	ug/l 99
36) 1,1-Dichloropropene	5.79	75	48515	18.122	ug/l 99
37) Ethyl Acetate	4.82	43	67154	18.003	ug/l 99
38) Carbon Tetrachloride	5.78	117	43962	18.074	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61246	18.628	ug/l	98
40) Benzene	6.14	78	148550	17.929	ug/l	98
41) Methacrylonitrile	5.04	41	37750	17.001	ug/l	97
42) 1,2-Dichloroethane	6.19	62	55535	18.686	ug/l	98
43) Isopropyl Acetate	6.44	43	106757	17.893	ug/l	99
44) Trichloroethene	7.21	130	35189	17.568	ug/l	95
45) 1,2-Dichloropropane	7.51	63	42923	18.296	ug/l	96
46) Dibromomethane	7.66	93	24004	17.619	ug/l	99
47) Bromodichloromethane	7.89	83	47491	17.475	ug/l	95
48) Methyl methacrylate	7.77	41	54184	18.305	ug/l	98
49) 1,4-Dioxane	7.74	88	20541	342.176	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	350379	89.845	ug/l	98
52) Toluene	8.78	92	91442	18.156	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54554	17.780	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60562	17.833	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	35828	17.437	ug/l	97
56) Ethyl methacrylate	9.18	69	64207	17.506	ug/l	97
57) 1,3-Dichloropropane	9.37	76	64963	17.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168741	86.723	ug/l	99
59) 2-Hexanone	9.49	43	279118	91.130	ug/l	97
60) Dibromochloromethane	9.58	129	35343	17.611	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36756	17.721	ug/l	100
64) Tetrachloroethene	9.34	164	31938	17.999	ug/l	98
65) Chlorobenzene	10.13	112	93408	18.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33148	17.669	ug/l	99
67) Ethyl Benzene	10.25	91	174217	18.294	ug/l	99
68) m/p-Xylenes	10.35	106	127474	36.629	ug/l	97
69) o-Xylene	10.69	106	62208	18.117	ug/l	99
70) Styrene	10.71	104	106879	17.909	ug/l	97
71) Bromoform	10.85	173	25667	16.836	ug/l #	99
73) Isopropylbenzene	11.02	105	169210	17.973	ug/l	100
74) N-amyl acetate	10.90	43	95228	17.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60327	17.188	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53531m	17.824	ug/l	
77) Bromobenzene	11.25	156	41512	17.764	ug/l	99
78) n-propylbenzene	11.36	91	194786	18.116	ug/l	100
79) 2-Chlorotoluene	11.42	91	114978	17.333	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	142605	17.989	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19276	16.422	ug/l	94
82) 4-Chlorotoluene	11.51	91	134459	17.942	ug/l	98
83) tert-Butylbenzene	11.77	119	134673	17.463	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	142543	17.914	ug/l	100
85) sec-Butylbenzene	11.94	105	164428	17.984	ug/l	100
86) p-Isopropyltoluene	12.06	119	147830	17.986	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72415	17.383	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	73832	17.580	ug/l	98
89) n-Butylbenzene	12.38	91	134583	18.116	ug/l	100
90) Hexachloroethane	12.59	117	24242	17.312	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	73448	17.310	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12968	16.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51594	17.782	ug/l	100
94) Hexachlorobutadiene	13.78	225	27143	18.319	ug/l	99
95) Naphthalene	13.83	128	157791	16.715	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	52276	17.774	ug/l	99

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

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