

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007778.D
 Acq On : 28 Feb 2019 20:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 10:04:47 AM

Quant Time: Mar 01 03:15:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	432356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198418	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	165952	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	5.50	113	141039	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	527754	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.13	95	189278	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	120922	44.796	ug/l	99
3) Chloromethane	1.33	50	140584	46.998	ug/l	99
4) Vinyl Chloride	1.41	62	146705	47.803	ug/l	99
5) Bromomethane	1.64	94	83264	42.852	ug/l	98
6) Chloroethane	1.72	64	94614	48.255	ug/l	99
7) Trichlorofluoromethane	1.93	101	206872	43.971	ug/l	98
8) Diethyl Ether	2.19	74	87994	45.573	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	121517	42.734	ug/l	99
10) Methyl Iodide	2.51	142	181348	51.217	ug/l	100
11) Tert butyl alcohol	3.07	59	162903	236.543	ug/l	99
12) 1,1-Dichloroethene	2.38	96	118407	46.195	ug/l	97
13) Acrolein	2.30	56	124278	203.078	ug/l	100
14) Allyl chloride	2.73	41	244686	51.628	ug/l	93
15) Acrylonitrile	3.15	53	407417	251.387	ug/l	100
16) Acetone	2.45	43	354393	219.557	ug/l	98
17) Carbon Disulfide	2.57	76	325691	45.673	ug/l	99
18) Methyl Acetate	2.78	43	191467	54.360	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	428182	47.971	ug/l	98
20) Methylene Chloride	2.86	84	134745	45.209	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	126467	45.385	ug/l	93
22) Diisopropyl ether	3.87	45	502341	50.916	ug/l	95
23) Vinyl Acetate	3.82	43	2172965	251.035	ug/l	97
24) 1,1-Dichloroethane	3.70	63	260739	48.627	ug/l	98
25) 2-Butanone	4.70	43	610177	248.167	ug/l	95
26) 2,2-Dichloropropane	4.59	77	175514	41.007	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	158823	44.794	ug/l	93
28) Bromochloromethane	5.02	49	125794	48.190	ug/l	86
29) Tetrahydrofuran	5.15	42	407329	251.323	ug/l	93
30) Chloroform	5.21	83	258733	45.047	ug/l	99
31) Cyclohexane	5.58	56	237081	47.005	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	221117	46.550	ug/l	98
36) 1,1-Dichloropropene	5.80	75	194365	50.003	ug/l	97
37) Ethyl Acetate	4.85	43	233116	53.989	ug/l	100
38) Carbon Tetrachloride	5.78	117	192825	49.384	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	234700	47.775	ug/l	94
40) Benzene	6.14	78	596666	49.726	ug/l	99
41) Methacrylonitrile	5.06	41	131657	57.102	ug/l	94
42) 1,2-Dichloroethane	6.20	62	205305	50.906	ug/l	100
43) Isopropyl Acetate	6.46	43	362297	54.518	ug/l	99
44) Trichloroethene	7.21	130	162113	49.113	ug/l	95
45) 1,2-Dichloropropane	7.51	63	159909	51.447	ug/l	99
46) Dibromomethane	7.66	93	100698	46.438	ug/l	99
47) Bromodichloromethane	7.90	83	191057	50.843	ug/l	98
48) Methyl methacrylate	7.77	41	194669	55.884	ug/l	91
49) 1,4-Dioxane	7.75	88	70006	930.485	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	1183645	266.089	ug/l	99
52) Toluene	8.79	92	370949	49.026	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	212409	45.721	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	234648	51.456	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	152818	48.433	ug/l	99
56) Ethyl methacrylate	9.18	69	237254	52.876	ug/l	94
57) 1,3-Dichloropropane	9.37	76	256654	50.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	638910	258.214	ug/l	97
59) 2-Hexanone	9.49	43	884043	253.139	ug/l	100
60) Dibromochloromethane	9.58	129	158133	52.085	ug/l	98
61) 1,2-Dibromoethane	9.67	107	161815	49.395	ug/l	99
64) Tetrachloroethene	9.34	164	165077	52.640	ug/l	98
65) Chlorobenzene	10.14	112	409892	49.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	151823	52.096	ug/l	100
67) Ethyl Benzene	10.25	91	697314	50.384	ug/l	99
68) m/p-Xylenes	10.36	106	536032	99.556	ug/l	98
69) o-Xylene	10.70	106	260597	50.318	ug/l	96
70) Styrene	10.71	104	430843	50.612	ug/l	99
71) Bromoform	10.85	173	123527	56.524	ug/l	99
73) Isopropylbenzene	11.02	105	697226	49.166	ug/l	100
74) N-amyl acetate	10.90	43	316093	51.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	222264	45.315	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	188720m	44.621	ug/l	
77) Bromobenzene	11.26	156	185645	52.192	ug/l	94
78) n-propylbenzene	11.36	91	778074	48.554	ug/l	99
79) 2-Chlorotoluene	11.42	91	460939	47.771	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	573761	49.187	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	66987	42.898	ug/l	94
82) 4-Chlorotoluene	11.51	91	533186	47.236	ug/l	98
83) tert-Butylbenzene	11.77	119	566428	50.575	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	584830	49.014	ug/l	98
85) sec-Butylbenzene	11.94	105	690671	49.212	ug/l	99
86) p-Isopropyltoluene	12.06	119	619776	50.425	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	327082	49.575	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	327941	48.533	ug/l	99
89) n-Butylbenzene	12.38	91	521765	47.600	ug/l	99
90) Hexachloroethane	12.60	117	99540	48.065	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	325317	49.279	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48752	45.618	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	230229	57.134	ug/l	100
94) Hexachlorobutadiene	13.78	225	118845	64.470	ug/l	99
95) Naphthalene	13.83	128	683283	52.337	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	229733	56.778	ug/l	100

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

