

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011812.D
 Acq On : 23 Aug 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:07 AM

Quant Time: Aug 26 03:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	573471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	518823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	288685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	194889	47.06	ug/l	0.00
Spiked Amount						
			Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	166302	44.85	ug/l	0.00
Spiked Amount						
			Recovery	=	89.70%	
50) Toluene-d8	8.71	98	628226	48.57	ug/l	0.00
Spiked Amount						
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	228395	44.67	ug/l	0.00
Spiked Amount						
			Recovery	=	89.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	179906	46.755	ug/l	100
3) Chloromethane	1.32	50	170266	50.457	ug/l	98
4) Vinyl Chloride	1.40	62	172391	51.104	ug/l	99
5) Bromomethane	1.63	94	89214	48.007	ug/l	95
6) Chloroethane	1.71	64	103682	52.569	ug/l	99
7) Trichlorofluoromethane	1.92	101	262515	48.880	ug/l	100
8) Diethyl Ether	2.18	74	94660	51.835	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	151388	45.553	ug/l	95
10) Methyl Iodide	2.50	142	212302	52.301	ug/l	97
11) Tert butyl alcohol	3.04	59	202056	246.885	ug/l	99
12) 1,1-Dichloroethene	2.37	96	158614	48.947	ug/l	97
13) Acrolein	2.29	56	91546	289.368	ug/l	97
14) Allyl chloride	2.72	41	246629	48.694	ug/l	99
15) Acrylonitrile	3.14	53	474828	253.654	ug/l	100
16) Acetone	2.43	43	381681	211.849	ug/l	96
17) Carbon Disulfide	2.56	76	347520	42.415	ug/l	100
18) Methyl Acetate	2.76	43	260402	53.265	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	528650	50.857	ug/l	98
20) Methylene Chloride	2.85	84	174676	47.422	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	170278	48.716	ug/l	97
22) Diisopropyl ether	3.85	45	502451	51.158	ug/l	97
23) Vinyl Acetate	3.81	43	1986678	244.308	ug/l	100
24) 1,1-Dichloroethane	3.69	63	282958	48.795	ug/l	100
25) 2-Butanone	4.67	43	643321	248.766	ug/l	99
26) 2,2-Dichloropropane	4.57	77	182342	37.027	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	195400	48.748	ug/l	96
28) Bromochloromethane	5.01	49	125667	47.740	ug/l	93
29) Tetrahydrofuran	5.12	42	416309	251.133	ug/l	99
30) Chloroform	5.20	83	290460	46.168	ug/l	99
31) Cyclohexane	5.57	56	252763	49.631	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	256350	46.874	ug/l	99
36) 1,1-Dichloropropene	5.79	75	222422	49.460	ug/l	97
37) Ethyl Acetate	4.82	43	235569	49.500	ug/l	99
38) Carbon Tetrachloride	5.78	117	235826	46.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	261395	46.906	ug/l	99
40) Benzene	6.13	78	680225	48.897	ug/l	97
41) Methacrylonitrile	5.03	41	131617	47.554	ug/l	98
42) 1,2-Dichloroethane	6.18	62	236703	46.546	ug/l	99
43) Isopropyl Acetate	6.44	43	372212	48.323	ug/l	98
44) Trichloroethene	7.21	130	204880	47.776	ug/l	100
45) 1,2-Dichloropropane	7.51	63	165546	47.344	ug/l	99
46) Dibromomethane	7.66	93	116357	45.135	ug/l	95
47) Bromodichloromethane	7.89	83	205063	44.188	ug/l	98
48) Methyl methacrylate	7.76	41	184050	48.014	ug/l	97
49) 1,4-Dioxane	7.74	88	99423	936.109	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1218740	240.128	ug/l	98
52) Toluene	8.78	92	441434	49.035	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	222682	45.709	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	247270	46.526	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	182816	48.743	ug/l	98
56) Ethyl methacrylate	9.18	69	270141	50.645	ug/l	97
57) 1,3-Dichloropropane	9.37	76	283886	46.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	719710	256.501	ug/l	99
59) 2-Hexanone	9.49	43	929704	238.661	ug/l	98
60) Dibromochloromethane	9.58	129	185034	45.629	ug/l	99
61) 1,2-Dibromoethane	9.67	107	194522	48.336	ug/l	100
64) Tetrachloroethene	9.34	164	209267	50.559	ug/l	98
65) Chlorobenzene	10.13	112	498874	49.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	183671	48.397	ug/l	100
67) Ethyl Benzene	10.25	91	833764	49.256	ug/l	97
68) m/p-Xylenes	10.35	106	660297	101.167	ug/l	96
69) o-Xylene	10.69	106	319796	49.905	ug/l	97
70) Styrene	10.71	104	550765	51.378	ug/l	97
71) Bromoform	10.85	173	149143	45.555	ug/l #	98
73) Isopropylbenzene	11.02	105	854646	49.126	ug/l	100
74) N-amyl acetate	10.90	43	327059	48.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	266651	46.306	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	242100m	47.794	ug/l	
77) Bromobenzene	11.25	156	250766	48.894	ug/l	95
78) n-propylbenzene	11.36	91	941809	50.628	ug/l	100
79) 2-Chlorotoluene	11.42	91	571422	49.374	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	736937	50.769	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	70349	41.883	ug/l	100
82) 4-Chlorotoluene	11.51	91	656706	49.227	ug/l	99
83) tert-Butylbenzene	11.77	119	733051	51.186	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	737093	50.285	ug/l	100
85) sec-Butylbenzene	11.94	105	833190	50.860	ug/l	100
86) p-Isopropyltoluene	12.06	119	799453	50.720	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	429279	48.605	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	431911	48.335	ug/l	99
89) n-Butylbenzene	12.38	91	626230	47.994	ug/l	99
90) Hexachloroethane	12.59	117	115776	47.280	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	433116	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	58172	43.459	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	329885	50.344	ug/l	99
94) Hexachlorobutadiene	13.78	225	167215	46.570	ug/l	99
95) Naphthalene	13.83	128	962784	53.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336500	51.145	ug/l	99

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

