

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010239.D
 Acq On : 12 Jun 2019 09:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:27 AM

Quant Time: Jun 13 01:42:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325003	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	475528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	437190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229440	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	146179	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	5.49	113	147033	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	8.71	98	563025	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	210582	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	153020	51.169	ug/l	99
3) Chloromethane	1.32	50	135165	45.512	ug/l	98
4) Vinyl Chloride	1.40	62	151938	54.433	ug/l	100
5) Bromomethane	1.64	94	60437	57.378	ug/l	97
6) Chloroethane	1.71	64	87932	62.482	ug/l	100
7) Trichlorofluoromethane	1.92	101	234866	56.645	ug/l	100
8) Diethyl Ether	2.18	74	82792	57.934	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140036	48.996	ug/l	92
10) Methyl Iodide	2.51	142	199563	45.066	ug/l	97
11) Tert butyl alcohol	3.04	59	184422	237.305	ug/l	99
12) 1,1-Dichloroethene	2.37	96	134112	45.941	ug/l #	80
13) Acrolein	2.29	56	38049	268.507	ug/l	96
14) Allyl chloride	2.73	41	199046	45.171	ug/l #	88
15) Acrylonitrile	3.14	53	376845	237.236	ug/l	99
16) Acetone	2.44	43	443069	296.941	ug/l #	88
17) Carbon Disulfide	2.57	76	358230	42.470	ug/l	99
18) Methyl Acetate	2.77	43	155644	47.431	ug/l #	83
19) Methyl tert-butyl Ether	3.19	73	438264	46.730	ug/l	94
20) Methylene Chloride	2.85	84	151420	46.208	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	143718	44.487	ug/l #	79
22) Diisopropyl ether	3.85	45	410399	48.712	ug/l #	82
23) Vinyl Acetate	3.81	43	1814943	241.478	ug/l #	87
24) 1,1-Dichloroethane	3.69	63	237781	46.485	ug/l	95
25) 2-Butanone	4.67	43	593597	267.159	ug/l #	81
26) 2,2-Dichloropropane	4.58	77	218157	46.749	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	170899	47.552	ug/l	78
28) Bromochloromethane	5.01	49	106208	46.328	ug/l #	48
29) Tetrahydrofuran	5.12	42	331229	237.210	ug/l #	76
30) Chloroform	5.21	83	252371	47.506	ug/l	99
31) Cyclohexane	5.57	56	222029	48.094	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	230803	46.214	ug/l #	93
36) 1,1-Dichloropropene	5.79	75	187765	48.398	ug/l	91
37) Ethyl Acetate	4.83	43	194384	48.155	ug/l #	92
38) Carbon Tetrachloride	5.78	117	212792	48.458	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	259291	49.082	ug/l #	82
40) Benzene	6.14	78	590184	49.197	ug/l	98
41) Methacrylonitrile	5.04	41	105407	48.274	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	181342	47.350	ug/l	93
43) Isopropyl Acetate	6.44	43	326478	48.373	ug/l #	89
44) Trichloroethene	7.21	130	178464	49.353	ug/l	86
45) 1,2-Dichloropropane	7.51	63	147632	49.168	ug/l	98
46) Dibromomethane	7.66	93	107330	47.713	ug/l	90
47) Bromodichloromethane	7.89	83	206245	49.066	ug/l	99
48) Methyl methacrylate	7.76	41	153882	48.753	ug/l #	77
49) 1,4-Dioxane	7.73	88	88168	979.729	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	1042166	258.477	ug/l	90
52) Toluene	8.78	92	393026	49.840	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	233451	48.016	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	252104	48.368	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	166744	51.630	ug/l	95
56) Ethyl methacrylate	9.18	69	256292	50.238	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	249141	49.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	562386	233.838	ug/l #	86
59) 2-Hexanone	9.49	43	859874	267.481	ug/l	87
60) Dibromochloromethane	9.58	129	194506	50.917	ug/l	100
61) 1,2-Dibromoethane	9.67	107	178028	49.495	ug/l	100
64) Tetrachloroethene	9.34	164	163719	50.420	ug/l	95
65) Chlorobenzene	10.13	112	449580	49.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	173087	49.881	ug/l	100
67) Ethyl Benzene	10.25	91	767858	49.988	ug/l	94
68) m/p-Xylenes	10.35	106	601392	101.174	ug/l	90
69) o-Xylene	10.69	106	294794	49.891	ug/l	89
70) Styrene	10.71	104	510541	51.016	ug/l	94
71) Bromoform	10.85	173	162497	50.939	ug/l #	98
73) Isopropylbenzene	11.02	105	784279	48.967	ug/l	95
74) N-amyl acetate	10.90	43	302315	47.750	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.26	83	260670	47.545	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	219729m	47.879	ug/l	
77) Bromobenzene	11.25	156	215344	48.892	ug/l	81
78) n-propylbenzene	11.36	91	884676	49.615	ug/l	94
79) 2-Chlorotoluene	11.42	91	514363	48.030	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	659037	48.853	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	97201	46.796	ug/l #	83
82) 4-Chlorotoluene	11.51	91	589723	48.476	ug/l	90
83) tert-Butylbenzene	11.77	119	673790	49.348	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	668394	49.052	ug/l	95
85) sec-Butylbenzene	11.94	105	793948	49.911	ug/l	95
86) p-Isopropyltoluene	12.06	119	735896	50.604	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	387679	49.971	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	387703	49.574	ug/l	97
89) n-Butylbenzene	12.38	91	640644	51.179	ug/l	96
90) Hexachloroethane	12.59	117	138756	47.899	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	377742	50.084	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55302	42.865	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275644	49.928	ug/l	99
94) Hexachlorobutadiene	13.78	225	134631	54.833	ug/l	98
95) Naphthalene	13.83	128	846468	48.706	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	274008	50.196	ug/l	99

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

