

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050819\
 Data File : VX009390.D
 Acq On : 08 May 2019 11:35
 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
 5/9/2019 9:49:15 AM

Quant Time: May 09 06:37:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104732	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
35) Dibromofluoromethane	5.49	113	79092	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.71	98	321095	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.13	95	119212	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	78891	49.410	ug/l	99
3) Chloromethane	1.32	50	110346	50.621	ug/l	99
4) Vinyl Chloride	1.41	62	111377	52.397	ug/l	99
5) Bromomethane	1.64	94	60731	47.601	ug/l	96
6) Chloroethane	1.71	64	71477	52.374	ug/l	98
7) Trichlorofluoromethane	1.92	101	139587	54.024	ug/l	97
8) Diethyl Ether	2.18	74	63697	52.044	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87219	53.754	ug/l	99
10) Methyl Iodide	2.51	142	73076	39.795	ug/l	99
11) Tert butyl alcohol	3.05	59	144719	264.327	ug/l	99
12) 1,1-Dichloroethene	2.37	96	86636	53.291	ug/l	99
13) Acrolein	2.29	56	115866	233.679	ug/l	100
14) Allyl chloride	2.72	41	203751	51.428	ug/l	100
15) Acrylonitrile	3.14	53	341481	255.088	ug/l	100
16) Acetone	2.45	43	355384	279.818	ug/l	100
17) Carbon Disulfide	2.56	76	258859	56.714	ug/l	100
18) Methyl Acetate	2.77	43	141765	46.935	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	326659	51.743	ug/l	99
20) Methylene Chloride	2.85	84	103664	50.411	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	95227	54.011	ug/l	99
22) Diisopropyl ether	3.85	45	392219	51.478	ug/l	98
23) Vinyl Acetate	3.81	43	1777975	272.513	ug/l	100
24) 1,1-Dichloroethane	3.70	63	191756	51.018	ug/l	99
25) 2-Butanone	4.67	43	530336	268.712	ug/l	100
26) 2,2-Dichloropropane	4.58	77	148924	53.231	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	108842	51.720	ug/l	100
28) Bromochloromethane	5.01	49	61512	40.113	ug/l	100
29) Tetrahydrofuran	5.12	42	333164	262.330	ug/l	100
30) Chloroform	5.21	83	176093	51.801	ug/l	97
31) Cyclohexane	5.57	56	193310	55.280	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	148366	52.428	ug/l	99
36) 1,1-Dichloropropene	5.79	75	138885	55.641	ug/l	100
37) Ethyl Acetate	4.83	43	192902	55.466	ug/l	100
38) Carbon Tetrachloride	5.78	117	126646	55.843	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181699	59.273	ug/l	98
40) Benzene	6.14	78	421550	54.569	ug/l	100
41) Methacrylonitrile	5.04	41	105777	51.094	ug/l	98
42) 1,2-Dichloroethane	6.19	62	148913	53.738	ug/l	100
43) Isopropyl Acetate	6.44	43	304716	54.776	ug/l	100
44) Trichloroethene	7.21	130	102016	54.626	ug/l	100
45) 1,2-Dichloropropane	7.51	63	119192	54.490	ug/l	97
46) Dibromomethane	7.66	93	68292	53.763	ug/l	100
47) Bromodichloromethane	7.90	83	139035	54.872	ug/l	97
48) Methyl methacrylate	7.77	41	153806	55.728	ug/l	99
49) 1,4-Dioxane	7.74	88	59838	1069.094	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	992833	273.052	ug/l	100
52) Toluene	8.78	92	257297	54.793	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	164005	57.330	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	179182	56.589	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	102669	53.592	ug/l	98
56) Ethyl methacrylate	9.18	69	189075	55.289	ug/l	99
57) 1,3-Dichloropropane	9.37	76	180511	53.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	490259	270.239	ug/l	99
59) 2-Hexanone	9.49	43	806396	282.379	ug/l	99
60) Dibromochloromethane	9.58	129	105441	56.352	ug/l	100
61) 1,2-Dibromoethane	9.67	107	105732	54.675	ug/l	100
64) Tetrachloroethene	9.34	164	92092	54.922	ug/l	98
65) Chlorobenzene	10.13	112	266381	54.475	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	95715	53.991	ug/l	99
67) Ethyl Benzene	10.25	91	497747	55.309	ug/l	99
68) m/p-Xylenes	10.36	106	367722	111.816	ug/l	97
69) o-Xylene	10.69	106	179121	55.203	ug/l	100
70) Styrene	10.71	104	316946	56.200	ug/l	99
71) Bromoform	10.85	173	81217	56.374	ug/l #	100
73) Isopropylbenzene	11.02	105	484850	52.655	ug/l	99
74) N-amyl acetate	10.90	43	284479	52.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	173864	50.650	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	150553m	51.256	ug/l	
77) Bromobenzene	11.26	156	118406	51.808	ug/l	99
78) n-propylbenzene	11.36	91	564015	53.633	ug/l	99
79) 2-Chlorotoluene	11.42	91	333497	51.403	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	414356	53.443	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61639	53.693	ug/l	100
82) 4-Chlorotoluene	11.51	91	384894	52.513	ug/l	99
83) tert-Butylbenzene	11.77	119	394193	52.264	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	415455	53.385	ug/l	100
85) sec-Butylbenzene	11.94	105	475536	53.180	ug/l	99
86) p-Isopropyltoluene	12.06	119	437675	54.445	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	215601	52.917	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	216568	52.723	ug/l	99
89) n-Butylbenzene	12.38	91	412553	56.781	ug/l	99
90) Hexachloroethane	12.60	117	72993	53.297	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	215453	51.918	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40618	52.748	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159475	56.197	ug/l	99
94) Hexachlorobutadiene	13.78	225	80537	55.575	ug/l	98
95) Naphthalene	13.83	128	497867	53.925	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	157639	54.801	ug/l	100

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

