

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008110.D
 Acq On : 15 Mar 2019 17:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:17 AM

Quant Time: Mar 16 01:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163075	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	115998	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	5.51	113	109385	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	8.71	98	405816	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	147677	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	100581	50.695	ug/l	100
3) Chloromethane	1.33	50	91219	39.048	ug/l	98
4) Vinyl Chloride	1.41	62	94910	42.579	ug/l	99
5) Bromomethane	1.64	94	56396	52.168	ug/l	100
6) Chloroethane	1.71	64	58568	48.793	ug/l	100
7) Trichlorofluoromethane	1.93	101	133193	49.787	ug/l	96
8) Diethyl Ether	2.19	74	70019	52.652	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	111573	55.802	ug/l	95
10) Methyl Iodide	2.51	142	166005	59.431	ug/l	97
11) Tert butyl alcohol	3.09	59	131436	272.095	ug/l	99
12) 1,1-Dichloroethene	2.37	96	102448	54.211	ug/l	92
13) Acrolein	2.30	56	103377	232.332	ug/l	99
14) Allyl chloride	2.73	41	171806	49.912	ug/l	95
15) Acrylonitrile	3.15	53	299958	254.656	ug/l	99
16) Acetone	2.45	43	295949	250.722	ug/l	98
17) Carbon Disulfide	2.57	76	288703	53.206	ug/l	99
18) Methyl Acetate	2.78	43	137516	53.902	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	335082	52.443	ug/l	99
20) Methylene Chloride	2.85	84	108064	51.260	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	109699	53.876	ug/l	87
22) Diisopropyl ether	3.87	45	342532	50.073	ug/l	98
23) Vinyl Acetate	3.82	43	1507065	259.048	ug/l	97
24) 1,1-Dichloroethane	3.70	63	199172	53.116	ug/l	99
25) 2-Butanone	4.70	43	459245	253.471	ug/l	95
26) 2,2-Dichloropropane	4.59	77	153007	53.410	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	128569	53.119	ug/l	95
28) Bromochloromethane	5.02	49	88489	49.965	ug/l	84
29) Tetrahydrofuran	5.16	42	285016	251.995	ug/l	93
30) Chloroform	5.21	83	197373	51.963	ug/l	99
31) Cyclohexane	5.57	56	185534	51.898	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	172000	53.760	ug/l	97
36) 1,1-Dichloropropene	5.80	75	152287	54.562	ug/l	97
37) Ethyl Acetate	4.86	43	161925	53.978	ug/l	97
38) Carbon Tetrachloride	5.78	117	154503	57.510	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201461	56.469	ug/l	96
40) Benzene	6.14	78	461652	53.990	ug/l	100
41) Methacrylonitrile	5.06	41	91388	52.325	ug/l	95
42) 1,2-Dichloroethane	6.20	62	146006	53.378	ug/l	98
43) Isopropyl Acetate	6.46	43	249421	51.629	ug/l	96
44) Trichloroethene	7.21	130	135884	55.065	ug/l	92
45) 1,2-Dichloropropane	7.52	63	117599	52.132	ug/l	98
46) Dibromomethane	7.66	93	77886	55.087	ug/l	94
47) Bromodichloromethane	7.90	83	147527	54.865	ug/l	98
48) Methyl methacrylate	7.77	41	130984	51.914	ug/l	93
49) 1,4-Dioxane	7.75	88	62211	1143.196	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	817348	256.708	ug/l	96
52) Toluene	8.79	92	293485	53.997	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	163257	55.385	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	182700	55.770	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	120028	54.236	ug/l	96
56) Ethyl methacrylate	9.18	69	176613	54.025	ug/l	94
57) 1,3-Dichloropropane	9.37	76	191408	52.261	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	551209	286.611	ug/l	95
59) 2-Hexanone	9.49	43	640245	257.119	ug/l	96
60) Dibromochloromethane	9.59	129	128388	56.288	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127346	54.916	ug/l	100
64) Tetrachloroethene	9.34	164	136780	56.435	ug/l	97
65) Chlorobenzene	10.14	112	329838	55.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121968	57.896	ug/l	100
67) Ethyl Benzene	10.25	91	552505	56.233	ug/l	100
68) m/p-Xylenes	10.36	106	434743	115.633	ug/l	99
69) o-Xylene	10.70	106	209168	57.070	ug/l	98
70) Styrene	10.71	104	349608	58.228	ug/l	99
71) Bromoform	10.86	173	106503	61.089	ug/l #	100
73) Isopropylbenzene	11.02	105	573224	54.882	ug/l	99
74) N-amyl acetate	10.90	43	217666	49.403	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	175799	51.369	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169858m	59.975	ug/l	
77) Bromobenzene	11.26	156	156048	54.737	ug/l	95
78) n-propylbenzene	11.36	91	637340	55.619	ug/l	99
79) 2-Chlorotoluene	11.42	91	374818	53.559	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	481245	55.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	55698	55.964	ug/l	96
82) 4-Chlorotoluene	11.51	91	432722	53.989	ug/l	98
83) tert-Butylbenzene	11.77	119	490465	56.866	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	492325	55.456	ug/l	99
85) sec-Butylbenzene	11.94	105	577641	56.212	ug/l	100
86) p-Isopropyltoluene	12.07	119	533784	57.435	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	281217	55.425	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	282385	54.809	ug/l	100
89) n-Butylbenzene	12.39	91	441357	56.755	ug/l	98
90) Hexachloroethane	12.60	117	84075	56.525	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	280134	55.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39307	56.810	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212282	59.531	ug/l	99
94) Hexachlorobutadiene	13.78	225	115858	59.801	ug/l	99
95) Naphthalene	13.83	128	605362	60.375	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	210255	59.895	ug/l	99

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

