

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102819\
 Data File : VX013258.D
 Acq On : 28 Oct 2019 19:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:56 PM

Quant Time: Oct 29 15:18:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	72476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	103885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	106568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	76737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	77208	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.49	113	60712	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	8.71	98	217423	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	88193	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	69981	47.853	ug/l	99
3) Chloromethane	1.32	50	53684	44.682	ug/l	98
4) Vinyl Chloride	1.40	62	60104	45.668	ug/l	96
5) Bromomethane	1.63	94	30636	43.917	ug/l	100
6) Chloroethane	1.71	64	37758	51.333	ug/l	100
7) Trichlorofluoromethane	1.92	101	109136	52.535	ug/l	98
8) Diethyl Ether	2.18	74	34011	47.750	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	64215	49.927	ug/l	99
10) Methyl Iodide	2.50	142	76749	47.551	ug/l	99
11) Tert butyl alcohol	3.04	59	81290	247.179	ug/l	99
12) 1,1-Dichloroethene	2.36	96	59685	48.343	ug/l	94
13) Acrolein	2.28	56	42666	239.897	ug/l	96
14) Allyl chloride	2.72	41	88812	45.692	ug/l	96
15) Acrylonitrile	3.13	53	161991	242.443	ug/l	98
16) Acetone	2.44	43	156770	219.517	ug/l	97
17) Carbon Disulfide	2.56	76	146183	44.041	ug/l	100
18) Methyl Acetate	2.76	43	80484	51.581	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	219679	50.527	ug/l	99
20) Methylene Chloride	2.84	84	67320	50.406	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	63577	49.496	ug/l	91
22) Diisopropyl ether	3.84	45	184589	48.570	ug/l	95
23) Vinyl Acetate	3.80	43	799336	247.453	ug/l	99
24) 1,1-Dichloroethane	3.69	63	115656	49.475	ug/l	99
25) 2-Butanone	4.66	43	223750	233.618	ug/l	96
26) 2,2-Dichloropropane	4.57	77	103323	47.825	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	73426	48.561	ug/l	97
28) Bromochloromethane	5.00	49	31150	51.678	ug/l	92
29) Tetrahydrofuran	5.11	42	137807	238.709	ug/l	99
30) Chloroform	5.20	83	127443	51.205	ug/l	98
31) Cyclohexane	5.57	56	94331	48.118	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	119345	53.930	ug/l	99
36) 1,1-Dichloropropene	5.79	75	89313	51.362	ug/l	99
37) Ethyl Acetate	4.82	43	85113	49.165	ug/l	98
38) Carbon Tetrachloride	5.78	117	101925	53.081	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	106195	47.750	ug/l	96
40) Benzene	6.13	78	257879	49.421	ug/l	97
41) Methacrylonitrile	5.03	41	47054	50.697	ug/l	98
42) 1,2-Dichloroethane	6.18	62	106450	54.108	ug/l	99
43) Isopropyl Acetate	6.43	43	146274	50.890	ug/l	100
44) Trichloroethene	7.21	130	74662	50.415	ug/l	97
45) 1,2-Dichloropropane	7.51	63	63709	48.747	ug/l	100
46) Dibromomethane	7.65	93	46603	49.494	ug/l	97
47) Bromodichloromethane	7.89	83	98900	53.897	ug/l	99
48) Methyl methacrylate	7.76	41	72163	50.797	ug/l	99
49) 1,4-Dioxane	7.73	88	32997	912.617	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	440991	251.713	ug/l	99
52) Toluene	8.78	92	169609	49.047	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	106039	54.379	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	113138	53.037	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	70110	51.280	ug/l	99
56) Ethyl methacrylate	9.17	69	111618	54.244	ug/l	99
57) 1,3-Dichloropropane	9.37	76	116139	50.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	219345	273.186	ug/l	99
59) 2-Hexanone	9.49	43	348348	258.127	ug/l	99
60) Dibromochloromethane	9.58	129	78959	55.116	ug/l	98
61) 1,2-Dibromoethane	9.67	107	76476	52.690	ug/l	99
64) Tetrachloroethene	9.33	164	76070	58.167	ug/l	97
65) Chlorobenzene	10.14	112	185554	49.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	73602	53.409	ug/l	97
67) Ethyl Benzene	10.25	91	337234	50.496	ug/l	99
68) m/p-Xylenes	10.35	106	252222	99.934	ug/l	98
69) o-Xylene	10.70	106	119906	49.525	ug/l	98
70) Styrene	10.71	104	215724	51.745	ug/l	99
71) Bromoform	10.85	173	57013	56.620	ug/l #	99
73) Isopropylbenzene	11.01	105	339424	48.709	ug/l	100
74) N-amyl acetate	10.89	43	129351	50.575	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	99864	47.197	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	86190m	46.602	ug/l	
77) Bromobenzene	11.25	156	83475	49.981	ug/l	90
78) n-propylbenzene	11.35	91	359462	47.489	ug/l	99
79) 2-Chlorotoluene	11.42	91	220866	46.181	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	289112	49.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	33287	49.457	ug/l	97
82) 4-Chlorotoluene	11.51	91	272494	50.286	ug/l	97
83) tert-Butylbenzene	11.76	119	272602	47.570	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	296264	50.710	ug/l	99
85) sec-Butylbenzene	11.94	105	324575	49.772	ug/l	99
86) p-Isopropyltoluene	12.06	119	303899	49.604	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	150757	49.965	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	151218	49.225	ug/l	99
89) n-Butylbenzene	12.39	91	254557	50.792	ug/l	99
90) Hexachloroethane	12.59	117	51105	49.811	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	142712	48.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	27871	52.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	93024	49.791	ug/l	96
94) Hexachlorobutadiene	13.78	225	46875	48.503	ug/l	97
95) Naphthalene	13.83	128	303386	52.910	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96307	52.166	ug/l	98

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

