

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
 Data File : VX013249.D
 Acq On : 28 Oct 2019 15:48
 Operator : JC/SP
 Sample : VX1028WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 12:07:51 PM

Quant Time: Oct 29 14:58:38 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	78236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	106829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	109638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	76207	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	79493	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	61888	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	8.71	98	220761	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	88955	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	28450	18.022	ug/l	99
3) Chloromethane	1.32	50	22360	17.840	ug/l	95
4) Vinyl Chloride	1.40	62	24390	17.168	ug/l	99
5) Bromomethane	1.63	94	15649	20.782	ug/l	98
6) Chloroethane	1.72	64	15952	18.451	ug/l	99
7) Trichlorofluoromethane	1.92	101	44069	19.839	ug/l	98
8) Diethyl Ether	2.17	74	13862	18.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26288	18.934	ug/l	99
10) Methyl Iodide	2.50	142	27493	18.145	ug/l	99
11) Tert butyl alcohol	3.03	59	31570	88.244	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23876	17.915	ug/l	91
13) Acrolein	2.28	56	13841	72.094	ug/l	97
14) Allyl chloride	2.72	41	36969	17.620	ug/l	97
15) Acrylonitrile	3.13	53	62012	85.977	ug/l	99
16) Acetone	2.43	43	68969	89.464	ug/l	97
17) Carbon Disulfide	2.56	76	59616	16.638	ug/l	99
18) Methyl Acetate	2.76	43	30191	18.556	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	88155	18.783	ug/l	96
20) Methylene Chloride	2.84	84	27526	19.272	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	26025	19.065	ug/l	91
22) Diisopropyl ether	3.84	45	75038	18.291	ug/l	# 88
23) Vinyl Acetate	3.80	43	317360	91.013	ug/l	98
24) 1,1-Dichloroethane	3.69	63	46076	18.259	ug/l	98
25) 2-Butanone	4.65	43	88255	85.363	ug/l	93
26) 2,2-Dichloropropane	4.57	77	44008	18.870	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	29955	18.352	ug/l	99
28) Bromochloromethane	5.00	49	12634	19.417	ug/l	98
29) Tetrahydrofuran	5.11	42	51819	83.152	ug/l	99
30) Chloroform	5.20	83	52073	19.382	ug/l	95
31) Cyclohexane	5.56	56	38727	18.300	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	46119	19.306	ug/l	97
36) 1,1-Dichloropropene	5.79	75	36109	20.147	ug/l	98
37) Ethyl Acetate	4.82	43	32714	18.376	ug/l	99
38) Carbon Tetrachloride	5.78	117	40022	20.268	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	43256	18.914	ug/l	98
40) Benzene	6.13	78	105480	19.658	ug/l	96
41) Methacrylonitrile	5.03	41	18796	19.693	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42721	21.116	ug/l	99
43) Isopropyl Acetate	6.43	43	55873	18.903	ug/l	99
44) Trichloroethene	7.20	130	30474	20.010	ug/l	93
45) 1,2-Dichloropropane	7.51	63	25393	18.894	ug/l	94
46) Dibromomethane	7.65	93	19667	20.311	ug/l	96
47) Bromodichloromethane	7.89	83	37965	20.119	ug/l	99
48) Methyl methacrylate	7.76	41	28084	19.224	ug/l	98
49) 1,4-Dioxane	7.73	88	12513	336.542	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	168025	93.264	ug/l	100
52) Toluene	8.78	92	69326	19.495	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	41618	20.755	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	43657	19.902	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	28233	20.081	ug/l	95
56) Ethyl methacrylate	9.17	69	41959	19.829	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46143	19.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	84273	102.066	ug/l	97
59) 2-Hexanone	9.48	43	129072	93.007	ug/l	99
60) Dibromochloromethane	9.57	129	30342	20.596	ug/l	99
61) 1,2-Dibromoethane	9.67	107	30147	20.198	ug/l	98
64) Tetrachloroethene	9.33	164	30511	21.454	ug/l	94
65) Chlorobenzene	10.14	112	74739	19.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	29553	20.844	ug/l	96
67) Ethyl Benzene	10.25	91	132893	19.342	ug/l	97
68) m/p-Xylenes	10.35	106	101568	39.116	ug/l	99
69) o-Xylene	10.70	106	48057	19.293	ug/l	96
70) Styrene	10.71	104	83469	19.461	ug/l	99
71) Bromoform	10.85	173	21321	20.581	ug/l #	98
73) Isopropylbenzene	11.01	105	134348	19.414	ug/l	99
74) N-amyl acetate	10.89	43	45365	17.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	38804	18.467	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	39852m	21.697	ug/l	
77) Bromobenzene	11.25	156	30854	18.602	ug/l	97
78) n-propylbenzene	11.35	91	143195	19.049	ug/l	100
79) 2-Chlorotoluene	11.42	91	88434	18.619	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	108410	18.847	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	12431	18.598	ug/l	96
82) 4-Chlorotoluene	11.51	91	108674	20.194	ug/l	97
83) tert-Butylbenzene	11.76	119	107220	18.840	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	116125	20.015	ug/l	98
85) sec-Butylbenzene	11.94	105	126568	19.543	ug/l	100
86) p-Isopropyltoluene	12.06	119	122214	20.087	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	56979	19.016	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	57927	18.988	ug/l	98
89) n-Butylbenzene	12.39	91	91302	18.344	ug/l	97
90) Hexachloroethane	12.59	117	19019	18.666	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	52241	17.730	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9645	18.458	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	34439	18.562	ug/l	94
94) Hexachlorobutadiene	13.78	225	18373	19.143	ug/l	96
95) Naphthalene	13.83	128	106248	18.658	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	35765	19.507	ug/l	97

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

