

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103119\
 Data File : VX013293.D
 Acq On : 31 Oct 2019 16:42
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:40:59 PM

Quant Time: Nov 02 05:47:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	697334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1057337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	934401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	461703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	43382	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
35) Dibromofluoromethane	5.49	113	34987	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	8.71	98	127081	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	11.13	95	44678	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	39467	5.913	ug/l	100
3) Chloromethane	1.31	50	44552	6.510	ug/l	98
4) Vinyl Chloride	1.40	62	48261	6.737	ug/l	99
5) Bromomethane	1.62	94	36114	8.260	ug/l	99
6) Chloroethane	1.71	64	35797	7.996	ug/l	93
7) Trichlorofluoromethane	1.92	101	62106	5.573	ug/l	98
8) Diethyl Ether	2.18	74	27514	6.765	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36733	5.769	ug/l	97
10) Methyl Iodide	2.50	142	33436	4.060	ug/l	98
11) Tert butyl alcohol	3.04	59	68635	37.876	ug/l #	95
12) 1,1-Dichloroethene	2.36	96	34286	5.479	ug/l	97
13) Acrolein	2.28	56	28585	27.248	ug/l	92
14) Allyl chloride	2.72	41	62979	6.634	ug/l	95
15) Acrylonitrile	3.13	53	107346	29.514	ug/l	98
16) Acetone	2.43	43	109881	31.333	ug/l	96
17) Carbon Disulfide	2.56	76	85833	5.308	ug/l	99
18) Methyl Acetate	2.76	43	56391	6.681	ug/l	93
19) Methyl tert-butyl Ether	3.18	73	112731	5.503	ug/l	96
20) Methylene Chloride	2.84	84	40685	5.654	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	38526	5.770	ug/l	97
22) Diisopropyl ether	3.84	45	119822	6.031	ug/l	89
23) Vinyl Acetate	3.80	43	505967	30.236	ug/l	100
24) 1,1-Dichloroethane	3.68	63	66463	5.834	ug/l	97
25) 2-Butanone	4.67	43	158355	31.226	ug/l	96
26) 2,2-Dichloropropane	4.56	77	50990	5.496	ug/l	90
27) cis-1,2-Dichloroethene	4.59	96	40817	5.268	ug/l	94
28) Bromochloromethane	5.00	49	17990	3.606	ug/l	90
29) Tetrahydrofuran	5.12	42	97766	30.398	ug/l	99
30) Chloroform	5.20	83	66065	5.436	ug/l	99
31) Cyclohexane	5.56	56	57684	5.564	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	53506	5.125	ug/l	96
36) 1,1-Dichloropropene	5.79	75	47683	5.395	ug/l	96
37) Ethyl Acetate	4.82	43	55886	5.994	ug/l	98
38) Carbon Tetrachloride	5.78	117	44220	4.865	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57742	5.107	ug/l	99
40) Benzene	6.13	78	149686	5.544	ug/l	96
41) Methacrylonitrile	5.03	41	33523	6.279	ug/l #	93
42) 1,2-Dichloroethane	6.18	62	53411	5.594	ug/l	99
43) Isopropyl Acetate	6.43	43	89831	5.876	ug/l	98
44) Trichloroethene	7.20	130	40181	5.095	ug/l	98
45) 1,2-Dichloropropane	7.51	63	39674	5.751	ug/l	97
46) Dibromomethane	7.66	93	26212	5.378	ug/l	97
47) Bromodichloromethane	7.89	83	46073	5.243	ug/l	98
48) Methyl methacrylate	7.76	41	43822	5.816	ug/l	93
49) 1,4-Dioxane	7.74	88	19765	98.112	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	299086	30.169	ug/l	98
52) Toluene	8.78	92	90992	5.171	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	48301	5.095	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	56113	5.341	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	39646	5.458	ug/l	96
56) Ethyl methacrylate	9.17	69	55022	5.133	ug/l	98
57) 1,3-Dichloropropane	9.37	76	66217	5.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	117889	23.267	ug/l	100
59) 2-Hexanone	9.49	43	225574	29.399	ug/l	99
60) Dibromochloromethane	9.57	129	35939	4.905	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40816	5.307	ug/l	99
64) Tetrachloroethene	9.33	164	34595	4.754	ug/l	93
65) Chlorobenzene	10.14	112	103155	5.358	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	37134	5.483	ug/l	95
67) Ethyl Benzene	10.25	91	173330	5.282	ug/l	96
68) m/p-Xylenes	10.35	106	131028	10.410	ug/l	97
69) o-Xylene	10.70	106	63065	5.151	ug/l	96
70) Styrene	10.71	104	101769	4.979	ug/l	99
71) Bromoform	10.85	173	25673	4.730	ug/l #	96
73) Isopropylbenzene	11.01	105	168302	5.356	ug/l	100
74) N-amyl acetate	10.89	43	71765	5.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	61643	5.912	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	46990m	5.556	ug/l	
77) Bromobenzene	11.25	156	43749	5.080	ug/l	96
78) n-propylbenzene	11.35	91	184304	5.297	ug/l	99
79) 2-Chlorotoluene	11.42	91	112288	5.380	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	137205	5.241	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	15352	4.823	ug/l	91
82) 4-Chlorotoluene	11.51	91	128164	5.277	ug/l	99
83) tert-Butylbenzene	11.76	119	139440	5.381	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	134957	5.107	ug/l	98
85) sec-Butylbenzene	11.94	105	156751	5.204	ug/l	99
86) p-Isopropyltoluene	12.06	119	142688	5.120	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	78534	5.245	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	78972	5.160	ug/l	93
89) n-Butylbenzene	12.38	91	117063	4.901	ug/l	99
90) Hexachloroethane	12.59	117	24328	5.434	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	79125	5.334	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13730	6.172	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	50615	5.016	ug/l	99
94) Hexachlorobutadiene	13.77	225	25326	5.077	ug/l	95
95) Naphthalene	13.83	128	154954	5.105	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	53200	5.278	ug/l	99

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

