

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007218.D
 Acq On : 25 Jan 2019 09:51
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:07 PM

Quant Time: Jan 28 05:48:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	87195	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	469723	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	430293	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	169972	25.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.50%
60) 4-Bromofluorobenzene	11.13	95	198564	27.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.53%
63) Toluene-d8	8.71	98	574676	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	177329	26.121	ug/l 98
3) Chloromethane	1.33	50	207948	29.523	ug/l 99
4) Vinyl Chloride	1.41	62	238997	33.191	ug/l 99
5) Bromomethane	1.64	94	244143	70.658	ug/l 99
6) Chloroethane	1.72	64	158849	38.425	ug/l 97
7) Trichlorofluoromethane	1.93	101	394286	42.986	ug/l 100
8) Diethyl Ether	2.19	74	153172	40.964	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	234354	44.489	ug/l 97
10) 1,1-Dichloroethene	2.38	96	214462	42.983	ug/l 88
11) Methyl Iodide	2.51	142	368716	90.764	ug/l 99
12) Methyl Acetate	2.78	43	367822	36.559	ug/l 93
13) Acrolein	2.30	56	124375	133.799	ug/l 99
14) Acrylonitrile	3.15	53	699958	170.245	ug/l 99
15) Acetone	2.45	58	207276	150.816	ug/l 99
16) Carbon Disulfide	2.57	76	520487	35.567	ug/l 100
17) Allyl chloride	2.73	41	385071	34.707	ug/l 92
18) Methylene Chloride	2.86	84	248538	42.834	ug/l 90
19) trans-1,2-Dichloroethene	3.17	96	232176	43.556	ug/l 91
20) Diisopropyl ether	3.87	45	711259	37.599	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	395359	37.932	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	259048	43.932	ug/l 89
23) tert-Butyl Alcohol	3.07	59	293752	154.792	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	763597	41.646	ug/l 99
25) Chloroform	5.21	83	419760	42.792	ug/l 96
26) Cyclohexane	5.57	56	337670	37.750	ug/l # 88
29) 1,1-Dichloropropene	5.80	75	301452	43.369	ug/l 97
30) 2-Butanone	4.70	43	929526	164.482	ug/l 95
31) 2,2-Dichloropropane	4.59	77	303334	39.775	ug/l 96
32) 1,1,1-Trichloroethane	5.50	97	355719	44.520	ug/l 97
33) Carbon Tetrachloride	5.79	117	315307	44.932	ug/l 99
34) Benzene	6.14	78	928237	44.007	ug/l 98
35) Methacrylonitrile	5.06	41	185196	35.263	ug/l 92
36) 1,2-Dichloroethane	6.20	62	318854	41.962	ug/l 99
37) Trichloroethene	7.21	130	268878	48.394	ug/l 97
38) Methylcyclohexane	7.46	83	376349	45.605	ug/l 90
39) 1,2-Dichloropropane	7.52	63	231489	41.190	ug/l 96
40) Dibromomethane	7.66	93	167462	45.973	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	299570	42.660	ug/l	97
42) Vinyl Acetate	3.82	43	3040877	185.990	ug/l	96
43) Ethyl Acetate	4.85	43	335189	35.956	ug/l	98
44) Isopropyl Acetate	6.46	43	541479	38.923	ug/l	100
45) 1,4-Dioxane	7.75	88	128151	781.893	ug/l	88
46) Methyl methacrylate	7.77	41	275244	38.135	ug/l	92
47) n-amyl Acetate	10.90	43	477328	37.190	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	333957	41.570	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	365047	41.921	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	255780	46.380	ug/l	99
51) Ethyl methacrylate	9.18	69	371299	42.423	ug/l	94
52) 1,3-Dichloropropane	9.37	76	409302	43.992	ug/l	100
53) Dibromochloromethane	9.59	129	264128	46.163	ug/l	98
54) 1,2-Dibromoethane	9.67	107	278041	48.378	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	1025155	221.978	ug/l	98
56) Bromoform	10.86	173	202895	42.462	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	1806919	187.026	ug/l	98
59) 2-Hexanone	9.49	43	1391948	174.871	ug/l	99
61) Tetrachloroethene	9.34	164	292130	55.787	ug/l	98
62) Toluene	8.79	91	1050794	46.467	ug/l	100
64) Chlorobenzene	10.14	112	697887	47.787	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	254484	47.936	ug/l	99
66) Ethyl Benzene	10.25	91	1151512	46.643	ug/l	97
67) m/p-Xylenes	10.36	106	912437	94.920	ug/l	93
68) o-Xylene	10.70	106	448264	48.377	ug/l	93
69) Styrene	10.71	104	734491	47.140	ug/l	98
70) Isopropylbenzene	11.02	105	1190352	47.974	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	373224	40.498	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	357423m	42.571	ug/l	
73) Bromobenzene	11.26	156	323298	47.401	ug/l	94
74) n-propylbenzene	11.36	91	1340469	45.915	ug/l	97
75) 2-Chlorotoluene	11.42	91	790034	44.371	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	983248	45.928	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	108446	39.285	ug/l	100
78) 4-Chlorotoluene	11.51	91	909489	43.946	ug/l	96
79) tert-butylbenzene	12.06	119	1070563	47.119	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	1007985	46.168	ug/l	98
81) sec-Butylbenzene	11.94	105	1186408	46.947	ug/l	98
82) p-Isopropyltoluene	12.06	119	1070563	47.119	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	578849	45.895	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	576900	45.073	ug/l	99
85) n-Butylbenzene	12.39	91	924255	44.788	ug/l	98
86) Hexachloroethane	12.60	117	169179	45.205	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	566747	44.205	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	78527	36.873	ug/l	86
89) 1,2,4-Trichlorobenzene	13.65	180	397580	41.570	ug/l	99
90) Hexachlorobutadiene	13.78	225	187643	39.741	ug/l	99
91) Naphthalene	13.83	128	1224829	41.187	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	389900	39.757	ug/l	99

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

