

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007227.D
 Acq On : 25 Jan 2019 14:06
 Operator : JC/SP
 Sample : VX0125WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0125WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:31 PM

Quant Time: Jan 28 11:03:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	83766	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	455011	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	415369	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	162944	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.13	95	194502	30.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.13%
63) Toluene-d8	8.71	98	552872	29.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	69776	18.557	ug/l 97
3) Chloromethane	1.33	50	85856	20.424	ug/l 97
4) Vinyl Chloride	1.41	62	92434	19.377	ug/l 97
5) Bromomethane	1.64	94	94182	18.942	ug/l 99
6) Chloroethane	1.72	64	60585	18.846	ug/l 96
7) Trichlorofluoromethane	1.93	101	152065	18.882	ug/l 97
8) Diethyl Ether	2.19	74	58770	19.305	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	90330	18.990	ug/l 99
10) 1,1-Dichloroethene	2.37	96	82961	19.189	ug/l 99
11) Methyl Iodide	2.51	142	112015	15.970	ug/l 96
12) Methyl Acetate	2.78	43	140701	19.110	ug/l 98
13) Acrolein	2.30	56	48797	91.545	ug/l 98
14) Acrylonitrile	3.15	53	268491	97.400	ug/l 99
15) Acetone	2.45	58	74467	95.041	ug/l 94
16) Carbon Disulfide	2.57	76	185463	17.791	ug/l 97
17) Allyl chloride	2.73	41	143205	19.051	ug/l 95
18) Methylene Chloride	2.86	84	98812	19.830	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	90376	19.305	ug/l 96
20) Diisopropyl ether	3.87	45	272865	19.498	ug/l 93
21) 1,1-Dichloroethane	3.70	63	149349	18.686	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	98146	19.064	ug/l 98
23) tert-Butyl Alcohol	3.07	59	115912	100.059	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	295537	19.516	ug/l 98
25) Chloroform	5.21	83	160532	19.433	ug/l 99
26) Cyclohexane	5.57	56	128415	19.076	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	114861	19.365	ug/l 99
30) 2-Butanone	4.70	43	347086	97.931	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	104621	17.458	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	130726	18.648	ug/l 99
33) Carbon Tetrachloride	5.78	117	113763	18.462	ug/l 99
34) Benzene	6.14	78	360519	19.705	ug/l 99
35) Methacrylonitrile	5.06	41	70158	19.393	ug/l 96
36) 1,2-Dichloroethane	6.20	62	122133	19.345	ug/l 99
37) Trichloroethene	7.21	130	101544	18.823	ug/l 95
38) Methylcyclohexane	7.46	83	140454	18.684	ug/l 98
39) 1,2-Dichloropropane	7.52	63	89655	19.540	ug/l 98
40) Dibromomethane	7.66	93	63225	19.129	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	106876	18.425	ug/l	93
42) Vinyl Acetate	3.82	43	1126361	93.733	ug/l	100
43) Ethyl Acetate	4.85	43	127818	19.328	ug/l	99
44) Isopropyl Acetate	6.46	43	194207	18.802	ug/l	99
45) 1,4-Dioxane	7.75	88	47488	379.404	ug/l	97
46) Methyl methacrylate	7.77	41	102075	19.328	ug/l	100
47) n-amyl Acetate	10.90	43	172965	19.045	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	110492	17.465	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	128559	18.292	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	97283	19.611	ug/l	97
51) Ethyl methacrylate	9.18	69	138472	19.536	ug/l	94
52) 1,3-Dichloropropane	9.37	76	152433	19.190	ug/l	99
53) Dibromochloromethane	9.58	129	91024	18.155	ug/l	96
54) 1,2-Dibromoethane	9.67	107	103844	19.445	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	392960	100.777	ug/l	100
56) Bromoform	10.86	173	64795	17.020	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	687840	99.031	ug/l	99
59) 2-Hexanone	9.49	43	515473	95.904	ug/l	99
61) Tetrachloroethene	9.33	164	111688	19.291	ug/l	98
62) Toluene	8.79	91	400361	19.149	ug/l	100
64) Chlorobenzene	10.14	112	269280	19.524	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	92509	18.936	ug/l	97
66) Ethyl Benzene	10.25	91	437669	19.321	ug/l	96
67) m/p-Xylenes	10.36	106	346024	38.680	ug/l	99
68) o-Xylene	10.70	106	170447	19.450	ug/l	98
69) Styrene	10.71	104	273354	19.335	ug/l	99
70) Isopropylbenzene	11.02	105	444364	19.154	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	140138	18.866	ug/l	97
72) 1,2,3-Trichloropropane	11.30	75	114063m	16.333	ug/l	
73) Bromobenzene	11.26	156	122291	19.045	ug/l	98
74) n-propylbenzene	11.36	91	505278	19.352	ug/l	100
75) 2-Chlorotoluene	11.42	91	298809	19.298	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	368802	19.047	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	32514	16.024	ug/l	92
78) 4-Chlorotoluene	11.51	91	339424	18.828	ug/l	99
79) tert-butylbenzene	12.06	119	395019	18.855	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	383079	19.539	ug/l	99
81) sec-Butylbenzene	11.94	105	450573	19.298	ug/l	99
82) p-Isopropyltoluene	12.06	119	395019	18.855	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	215641	18.892	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	215026	18.828	ug/l	98
85) n-Butylbenzene	12.39	91	333197	18.532	ug/l	100
86) Hexachloroethane	12.60	117	55155	17.028	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	217799	19.163	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	26496	17.501	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	145271	18.618	ug/l	99
90) Hexachlorobutadiene	13.79	225	69825	18.763	ug/l	99
91) Naphthalene	13.83	128	446985	18.924	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	145740	18.837	ug/l	98

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

