

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015627.D
 Acq On : 10 Apr 2020 17:26
 Operator : JC/SP
 Sample : VX0410WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0410WBSD02

Manual Integrations
 APPROVED

apatel
 4/13/2020 1:24:27 PM

Quant Time: Apr 11 02:34:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	157707	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	839624	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	801301	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	391210	31.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.80%
60) 4-Bromofluorobenzene	11.12	95	409259	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	8.70	98	985969	28.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	92740	12.314 ug/l	95
3) Chloromethane	1.31	50	151449	16.294 ug/l	99
4) Vinyl Chloride	1.39	62	140004	15.658 ug/l	96
5) Bromomethane	1.64	94	114242	24.000 ug/l	99
6) Chloroethane	1.72	64	99313	17.803 ug/l	91
7) Trichlorofluoromethane	1.92	101	190781	14.930 ug/l	99
8) Diethyl Ether	2.17	74	103500	21.052 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	119047	14.081 ug/l	99
10) 1,1-Dichloroethene	2.36	96	131387	15.300 ug/l	95
11) Methyl Iodide	2.50	142	151223	13.252 ug/l	96
12) Methyl Acetate	2.75	43	275784	21.948 ug/l	97
13) Acrolein	2.27	56	131298	80.323 ug/l	96
14) Acrylonitrile	3.12	53	591211	109.901 ug/l	99
15) Acetone	2.42	58	154905	113.243 ug/l	88
16) Carbon Disulfide	2.55	76	362974	14.459 ug/l	98
17) Allyl chloride	2.71	41	337892	17.428 ug/l	99
18) Methylene Chloride	2.84	84	183825	19.067 ug/l	98
19) trans-1,2-Dichloroethene	3.14	96	156559	16.854 ug/l	94
20) Diisopropyl ether	3.83	45	659206	18.958 ug/l	98
21) 1,1-Dichloroethane	3.67	63	324768	18.297 ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	198676	18.565 ug/l	97
23) tert-Butyl Alcohol	3.01	59	256049	96.766 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	639740	20.065 ug/l	100
25) Chloroform	5.19	83	329368	18.773 ug/l	99
26) Cyclohexane	5.55	56	223813	13.197 ug/l	# 97
29) 1,1-Dichloropropene	5.77	75	210313	16.672 ug/l	100
30) 2-Butanone	4.64	43	861743	113.957 ug/l	99
31) 2,2-Dichloropropane	4.55	77	254468	16.763 ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	268450	17.442 ug/l	99
33) Carbon Tetrachloride	5.76	117	226217	16.129 ug/l	99
34) Benzene	6.12	78	705166	19.396 ug/l	99
35) Methacrylonitrile	5.01	41	191885	22.377 ug/l	97
36) 1,2-Dichloroethane	6.17	62	308749	21.977 ug/l	99
37) Trichloroethene	7.19	130	186947	18.262 ug/l	99
38) Methylcyclohexane	7.45	83	215236	13.919 ug/l	99
39) 1,2-Dichloropropane	7.50	63	194357	19.903 ug/l	97
40) Dibromomethane	7.64	93	132879	20.443 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	272004	19.255	ug/l	97
42) Vinyl Acetate	3.79	43	3119587	108.877	ug/l	100
43) Ethyl Acetate	4.80	43	338612	20.585	ug/l	99
44) Isopropyl Acetate	6.42	43	559042	21.118	ug/l	99
45) 1,4-Dioxane	7.72	88	96661	396.366	ug/l	97
46) Methyl methacrylate	7.75	41	273558	20.708	ug/l	98
47) n-amyl Acetate	10.88	43	472297	20.692	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	305743	18.749	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	321915	19.125	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	191254	20.503	ug/l	97
51) Ethyl methacrylate	9.16	69	322831	20.123	ug/l	98
52) 1,3-Dichloropropane	9.36	76	337447	20.944	ug/l	100
53) Dibromochloromethane	9.57	129	220588	19.184	ug/l	97
54) 1,2-Dibromoethane	9.65	107	206256	20.607	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	844112	111.404	ug/l	100
56) Bromoform	10.84	173	179538	18.989	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1694220	110.474	ug/l	100
59) 2-Hexanone	9.48	43	1281531	109.843	ug/l	99
61) Tetrachloroethene	9.32	164	172248	16.724	ug/l	93
62) Toluene	8.77	91	742821	18.302	ug/l	98
64) Chlorobenzene	10.12	112	486566	18.646	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	193258	18.124	ug/l	100
66) Ethyl Benzene	10.24	91	833971	17.987	ug/l	98
67) m/p-Xylenes	10.34	106	641491	36.554	ug/l	96
68) o-Xylene	10.68	106	314499	18.335	ug/l	100
69) Styrene	10.70	104	553270	18.513	ug/l	99
70) Isopropylbenzene	11.00	105	783667	17.233	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	302623	20.533	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	282947m	20.517	ug/l	
73) Bromobenzene	11.24	156	231116	18.934	ug/l	98
74) n-propylbenzene	11.35	91	889563	17.055	ug/l	100
75) 2-Chlorotoluene	11.40	91	569691	17.958	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	671842	17.204	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	99582	16.756	ug/l	92
78) 4-Chlorotoluene	11.49	91	666926	18.173	ug/l	99
79) tert-butylbenzene	11.76	119	674531	17.283	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	714411	18.059	ug/l	100
81) sec-Butylbenzene	11.93	105	697119	15.571	ug/l	99
82) p-Isopropyltoluene	12.05	119	675124	15.999	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	395189	18.005	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	394710	18.020	ug/l	98
85) n-Butylbenzene	12.37	91	565954	15.047	ug/l	99
86) Hexachloroethane	12.58	117	117169	14.367	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	401479	18.749	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	77015	19.839	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	278820	16.163	ug/l	98
90) Hexachlorobutadiene	13.77	225	104135	11.459	ug/l	97
91) Naphthalene	13.82	128	949088	19.000	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	285636	16.668	ug/l	99

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

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