

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101520\
 Data File : VX018942.D
 Acq On : 15 Oct 2020 19:07
 Operator : JC/SP
 Sample : VX1015WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBS01

Manual Integrations
 APPROVED

apatel
 10/16/2020 2:11:41 PM

Quant Time: Oct 16 02:49:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 15:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49395	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	270985	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	241048	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	94992	30.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.50%
60) 4-Bromofluorobenzene	11.12	95	107757	28.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.70%
63) Toluene-d8	8.70	98	314013	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	41734	17.821	ug/l 100
3) Chloromethane	1.32	50	46431	17.529	ug/l 99
4) Vinyl Chloride	1.39	62	59805	18.399	ug/l 98
5) Bromomethane	1.63	94	49961	25.955	ug/l 98
6) Chloroethane	1.72	64	41092	18.329	ug/l 96
7) Trichlorofluoromethane	1.92	101	96523	18.863	ug/l 98
8) Diethyl Ether	2.17	74	37947	18.839	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	47178	16.582	ug/l 99
10) 1,1-Dichloroethene	2.36	96	51942	17.565	ug/l 99
11) Methyl Iodide	2.49	142	52280	14.890	ug/l 98
12) Methyl Acetate	2.75	43	54460	18.781	ug/l 96
13) Acrolein	2.28	56	50023	90.214	ug/l 97
14) Acrylonitrile	3.12	53	127125	94.231	ug/l 98
15) Acetone	2.42	58	39052	86.001	ug/l 99
16) Carbon Disulfide	2.55	76	130570	18.004	ug/l 100
17) Allyl chloride	2.71	41	69030	17.990	ug/l 94
18) Methylene Chloride	2.84	84	54729	18.366	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	54458	18.285	ug/l 98
20) Diisopropyl ether	3.83	45	131403	18.455	ug/l # 84
21) 1,1-Dichloroethane	3.67	63	90717	18.640	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	62590	18.562	ug/l 97
23) tert-Butyl Alcohol	3.01	59	72986	97.173	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	152609	18.689	ug/l 99
25) Chloroform	5.18	83	96971	18.771	ug/l 97
26) Cyclohexane	5.55	56	70798	18.070	ug/l # 97
29) 1,1-Dichloropropene	5.77	75	73365	18.673	ug/l 99
30) 2-Butanone	4.64	43	189791	96.937	ug/l 100
31) 2,2-Dichloropropane	4.55	77	82803	17.891	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	90056	18.886	ug/l 98
33) Carbon Tetrachloride	5.76	117	80492	18.418	ug/l 94
34) Benzene	6.11	78	218383	18.756	ug/l 96
35) Methacrylonitrile	5.00	41	38646	19.074	ug/l 98
36) 1,2-Dichloroethane	6.17	62	73765	19.272	ug/l 98
37) Trichloroethene	7.19	130	62205	18.204	ug/l 99
38) Methylcyclohexane	7.44	83	80304	17.928	ug/l 99
39) 1,2-Dichloropropane	7.49	63	52809	18.544	ug/l 96
40) Dibromomethane	7.63	93	38396	18.355	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.87	83	77820	18.276	ug/l	98
42) Vinyl Acetate	3.79	43	655695	93.500	ug/l	100
43) Ethyl Acetate	4.79	43	73846	18.224	ug/l	99
44) Isopropyl Acetate	6.42	43	123035	18.909	ug/l	# 100
45) 1,4-Dioxane	7.71	88	26512	381.773	ug/l	99
46) Methyl methacrylate	7.74	41	57363	18.962	ug/l	97
47) n-amyl Acetate	10.88	43	97003	17.848	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	87706	18.038	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	92451	17.882	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	55777	18.582	ug/l	97
51) Ethyl methacrylate	9.16	69	87015	18.419	ug/l	98
52) 1,3-Dichloropropane	9.35	76	91828	18.539	ug/l	99
53) Dibromochloromethane	9.56	129	64464	18.055	ug/l	98
54) 1,2-Dibromoethane	9.65	107	60911	18.460	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	228916	91.852	ug/l	99
56) Bromoform	10.84	173	49823	18.077	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	363949	94.618	ug/l	99
59) 2-Hexanone	9.47	43	277743	94.302	ug/l	99
61) Tetrachloroethene	9.32	164	53506	18.051	ug/l	96
62) Toluene	8.76	91	238919	18.498	ug/l	100
64) Chlorobenzene	10.12	112	148238	18.043	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	58301	18.282	ug/l	99
66) Ethyl Benzene	10.24	91	258011	18.025	ug/l	99
67) m/p-Xylenes	10.34	106	200134	35.686	ug/l	100
68) o-Xylene	10.68	106	96327	18.162	ug/l	99
69) Styrene	10.70	104	159679	17.514	ug/l	99
70) Isopropylbenzene	11.00	105	254314	18.047	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	81055	18.466	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	74463m	18.157	ug/l	
73) Bromobenzene	11.24	156	63734	17.565	ug/l	97
74) n-propylbenzene	11.34	91	280268	17.460	ug/l	99
75) 2-Chlorotoluene	11.40	91	164036	17.679	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	208591	17.676	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	30994	17.456	ug/l	97
78) 4-Chlorotoluene	11.49	91	191160	17.498	ug/l	99
79) tert-butylbenzene	11.76	119	215489	18.028	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	208601	17.740	ug/l	99
81) sec-Butylbenzene	11.93	105	241981	17.655	ug/l	100
82) p-Isopropyltoluene	12.05	119	223726	17.510	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	114927	17.804	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	113346	17.418	ug/l	99
85) n-Butylbenzene	12.37	91	188570	16.493	ug/l	99
86) Hexachloroethane	12.58	117	38442	17.735	ug/l	94
87) 1,2-Dichlorobenzene	12.37	146	110474	17.680	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	19952	18.776	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	74924	16.420	ug/l	98
90) Hexachlorobutadiene	13.76	225	33704	17.682	ug/l	97
91) Naphthalene	13.82	128	269666	18.122	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	77641	17.450	ug/l	99

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

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