

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072921\
 Data File : VX023502.D
 Acq On : 28 Jul 2021 20:06
 Operator : JC/MD
 Sample : VX0729WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2021 6:17:33 PM

Quant Time: Jul 29 03:16:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X072921W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 29 03:13:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.910	128	37361	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	204370	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	183871	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	82369	29.029	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.767%	
60) 4-Bromofluorobenzene	11.085	95	87396	29.411	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.033%	
63) Toluene-d8	8.653	98	253585	30.571	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.900%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	39358	18.026	ug/l	99
3) Chloromethane	1.295	50	44729	18.171	ug/l	97
4) Vinyl Chloride	1.374	62	43944	17.866	ug/l	100
5) Bromomethane	1.605	94	31911	21.402	ug/l	98
6) Chloroethane	1.685	64	27763	18.112	ug/l	95
7) Trichlorofluoromethane	1.886	101	68450	17.489	ug/l	92
8) Diethyl Ether	2.142	74	24341	17.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	38121	17.413	ug/l	99
10) 1,1-Dichloroethene	2.325	96	38129	18.032	ug/l	89
11) Methyl Iodide	2.453	142	47290	15.949	ug/l	98
12) Methyl Acetate	2.715	43	56898	17.838	ug/l	97
13) Acrolein	2.239	56	29619	80.433	ug/l	100
14) Acrylonitrile	3.075	53	126389	88.548	ug/l	98
15) Acetone	2.386	58	35153	86.854	ug/l	94
16) Carbon Disulfide	2.514	76	83939	16.560	ug/l	99
17) Allyl chloride	2.666	41	66315	17.104	ug/l	97
18) Methylene Chloride	2.794	84	44901	17.803	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	40177	17.719	ug/l	97
20) Diisopropyl ether	3.776	45	138543	17.712	ug/l	88
21) 1,1-Dichloroethane	3.617	63	74896	17.641	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	46987	17.527	ug/l	98
23) tert-Butyl Alcohol	2.971	59	59090	94.000	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	132287	17.572	ug/l	99
25) Chloroform	5.105	83	76965	17.519	ug/l	96
26) Cyclohexane	5.477	56	67359	17.130	ug/l #	97
29) 1,1-Dichloropropene	5.702	75	55653	17.791	ug/l	98
30) 2-Butanone	4.568	43	183646	89.561	ug/l	99
31) 2,2-Dichloropropane	4.483	77	53752	15.876	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	65203	17.697	ug/l	99
33) Carbon Tetrachloride	5.690	117	56529	17.697	ug/l	95
34) Benzene	6.044	78	169662	18.280	ug/l	97
35) Methacrylonitrile	4.928	41	36864	17.810	ug/l	97
36) 1,2-Dichloroethane	6.099	62	62129	17.676	ug/l	99
37) Trichloroethene	7.135	130	45810	18.189	ug/l	95
38) Methylcyclohexane	7.385	83	69411	17.549	ug/l	99
39) 1,2-Dichloropropane	7.440	63	44527	18.358	ug/l	99
40) Dibromomethane	7.586	93	31315	18.652	ug/l	97
41) Bromodichloromethane	7.830	83	52942	17.399	ug/l	97
42) Vinyl Acetate	3.733	43	608169	90.466	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	71111	18.259	ug/l	100
44) Isopropyl Acetate	6.348	43	109716	17.798	ug/l	100
45) 1,4-Dioxane	7.665	88	23719	376.944	ug/l	95
46) Methyl methacrylate	7.702	41	52088	17.568	ug/l	96
47) n-amyl Acetate	10.848	43	92284	17.873	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	58691	16.512	ug/l	99
49) cis-1,3-Dichloropropene	8.373	75	65334	17.204	ug/l	97
50) 1,1,2-Trichloroethane	9.159	97	44894	18.200	ug/l	97
51) Ethyl methacrylate	9.122	69	68804	17.303	ug/l	98
52) 1,3-Dichloropropane	9.311	76	74196	18.116	ug/l	100
53) Dibromochloromethane	9.525	129	40437	16.876	ug/l	99
54) 1,2-Dibromoethane	9.616	107	46066	17.630	ug/l	97
55) 2-Chloroethyl vinyl ether	8.245	63	177484	90.133	ug/l	99
56) Bromoform	10.805	173	29042	17.151	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	364827	94.889	ug/l	100
59) 2-Hexanone	9.433	43	286044	96.249	ug/l	100
61) Tetrachloroethene	9.275	164	44639	18.608	ug/l	96
62) Toluene	8.720	91	186740	18.367	ug/l	99
64) Chlorobenzene	10.086	112	115455	18.234	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	41327	18.229	ug/l	99
66) Ethyl Benzene	10.195	91	204125	18.176	ug/l	99
67) m/p-Xylenes	10.305	106	157292	36.810	ug/l	98
68) o-Xylene	10.647	106	78046	18.378	ug/l	97
69) Styrene	10.659	104	123973	18.018	ug/l	99
70) Isopropylbenzene	10.964	105	200966	18.172	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	68029	19.182	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	63957m	19.389	ug/l	
73) Bromobenzene	11.201	156	49974	18.214	ug/l	97
74) n-propylbenzene	11.305	91	227343	17.806	ug/l	99
75) 2-Chlorotoluene	11.366	91	135701	17.738	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	164739	17.903	ug/l	100
77) t-1,4-Dichloro-2-butene	11.024	75	18899	16.464	ug/l	96
78) 4-Chlorotoluene	11.457	91	152097	17.709	ug/l	100
79) tert-butylbenzene	11.719	119	160637	17.939	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	165840	18.291	ug/l	99
81) sec-Butylbenzene	11.896	105	204360	17.859	ug/l	99
82) p-Isopropyltoluene	12.012	119	166602	17.635	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	86945	17.891	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	85450	17.691	ug/l	99
85) n-Butylbenzene	12.335	91	145639	17.434	ug/l	99
86) Hexachloroethane	12.543	117	24815	16.677	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	86289	18.446	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12596	16.493	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	47992	16.514	ug/l	99
90) Hexachlorobutadiene	13.725	225	22719	17.548	ug/l	98
91) Naphthalene	13.780	128	178273	17.642	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	50503	17.173	ug/l	99

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

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