

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023527.D
 Acq On : 03 Aug 2021 15:00
 Operator : JC/MD
 Sample : M2940-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:29 PM

Quant Time: Aug 04 04:55:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	37330	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	207917	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	185825	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	85834	29.732	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.100%		
60) 4-Bromofluorobenzene	11.085	95	84197	27.663	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.200%		
63) Toluene-d8	8.653	98	253065	30.259	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.867%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	10970	4.975	ug/l	97
3) Chloromethane	1.301	50	13193	5.304	ug/l	100
4) Vinyl Chloride	1.374	62	12939	5.200	ug/l	100
5) Bromomethane	1.599	94	9352	6.406	ug/l	99
6) Chloroethane	1.678	64	8258	5.301	ug/l	97
7) Trichlorofluoromethane	1.886	101	20663	5.142	ug/l	87
8) Diethyl Ether	2.142	74	7826	5.462	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	11287	5.028	ug/l	99
10) 1,1-Dichloroethene	2.325	96	10982	5.078	ug/l	85
11) Methyl Iodide	2.459	142	11854	3.901	ug/l	91
12) Methyl Acetate	2.709	43	16929	5.248	ug/l	97
13) Acrolein	2.245	56	11540	32.496	ug/l	96
14) Acrylonitrile	3.075	53	37009	25.936	ug/l	100
15) Acetone	2.392	58	10588	24.484	ug/l	95
16) Carbon Disulfide	2.514	76	24340	4.562	ug/l	100
17) Allyl chloride	2.666	41	19204	4.805	ug/l	94
18) Methylene Chloride	2.794	84	15468	6.081	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	11723	5.065	ug/l	96
20) Diisopropyl ether	3.770	45	39632	4.966	ug/l	96
21) 1,1-Dichloroethane	3.611	63	21923	5.044	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	13445	4.991	ug/l	97
23) tert-Butyl Alcohol	2.977	59	17580	27.151	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	37866	4.991	ug/l	100
25) Chloroform	5.099	83	22142	4.966	ug/l	97
26) Cyclohexane	5.477	56	19454	4.930	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	15920	4.916	ug/l	99
30) 2-Butanone	4.574	43	55726	25.673	ug/l #	96
31) 2,2-Dichloropropane	4.483	77	17330	4.734	ug/l #	87
32) 1,1,1-Trichloroethane	5.397	97	18689	4.771	ug/l	97
33) Carbon Tetrachloride	5.678	117	15790m	4.634	ug/l	
34) Benzene	6.044	78	48699	4.988	ug/l	98
35) Methacrylonitrile	4.928	41	10888	4.989	ug/l	97
36) 1,2-Dichloroethane	6.092	62	18530	4.967	ug/l	100
37) Trichloroethene	7.129	130	13347	5.032	ug/l	91
38) Methylcyclohexane	7.379	83	20454	4.966	ug/l	97
39) 1,2-Dichloropropane	7.434	63	12780	5.002	ug/l	99
40) Dibromomethane	7.586	93	8836	4.876	ug/l	97
41) Bromodichloromethane	7.824	83	14838	4.511	ug/l	94
42) Vinyl Acetate	3.733	43	168333	23.808	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023527.D
 Acq On : 03 Aug 2021 15:00
 Operator : JC/MD
 Sample : M2940-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:29 PM

Quant Time: Aug 04 04:55:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.733	43	21016	5.219	ug/l #	81
44) Isopropyl Acetate	6.348	43	31390	4.897	ug/l	100
45) 1,4-Dioxane	7.665	88	6527	98.124	ug/l #	89
46) Methyl methacrylate	7.696	41	14402	4.659	ug/l	98
47) n-amyl Acetate	10.848	43	24203	4.438	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	16270	4.237	ug/l	96
49) cis-1,3-Dichloropropene	8.372	75	17848	4.383	ug/l	93
50) 1,1,2-Trichloroethane	9.159	97	12561	4.799	ug/l	98
51) Ethyl methacrylate	9.122	69	19005	4.605	ug/l	96
52) 1,3-Dichloropropane	9.311	76	21916	5.101	ug/l	98
53) Dibromochloromethane	9.525	129	10898	4.143	ug/l	97
54) 1,2-Dibromoethane	9.616	107	13112	4.734	ug/l	100
55) 2-Chloroethyl vinyl ether	8.250	63	46957	22.783	ug/l	99
56) Bromoform	10.805	173	7320	3.878	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	103391	25.808	ug/l	99
59) 2-Hexanone	9.433	43	79754	25.637	ug/l	99
61) Tetrachloroethene	9.275	164	12988	5.202	ug/l	95
62) Toluene	8.720	91	53756	5.128	ug/l	99
64) Chlorobenzene	10.079	112	33795	5.095	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	11160	4.545	ug/l	96
66) Ethyl Benzene	10.195	91	57339	4.942	ug/l	98
67) m/p-Xylenes	10.305	106	43222	9.633	ug/l	99
68) o-Xylene	10.646	106	20653	4.669	ug/l	96
69) Styrene	10.659	104	32617	4.475	ug/l	100
70) Isopropylbenzene	10.963	105	54559	4.691	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	18616	5.004	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	16786m	4.800	ug/l	
73) Bromobenzene	11.201	156	13584	4.798	ug/l	98
74) n-propylbenzene	11.305	91	60920	4.524	ug/l	99
75) 2-Chlorotoluene	11.366	91	38498	4.789	ug/l	100
76) 1,3,5-Trimethylbenzene	11.457	105	45534	4.721	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	4689	3.756	ug/l	98
78) 4-Chlorotoluene	11.457	91	41121	4.527	ug/l	98
79) tert-butylbenzene	11.719	119	44294	4.728	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	44975	4.705	ug/l	99
81) sec-Butylbenzene	11.896	105	54133	4.511	ug/l	100
82) p-Isopropyltoluene	12.012	119	44048	4.467	ug/l	97
83) 1,3-Dichlorobenzene	11.975	146	22779	4.442	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	23209	4.579	ug/l	99
85) n-Butylbenzene	12.335	91	38592	4.424	ug/l	98
86) Hexachloroethane	12.542	117	6350	3.962	ug/l	94
87) 1,2-Dichlorobenzene	12.341	146	23442	4.737	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	3548	4.342	ug/l	89
89) 1,2,4-Trichlorobenzene	13.591	180	12296	4.017	ug/l	99
90) Hexachlorobutadiene	13.725	225	6389	4.653	ug/l	98
91) Naphthalene	13.780	128	42288	4.022	ug/l	97
92) 1,2,3-Trichlorobenzene	13.963	180	12721	4.136	ug/l	99

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

