

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023611.D
 Acq On : 09 Aug 2021 14:04
 Operator : JC/MD
 Sample : VX0809WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/11/2021 5:17:10 PM

Quant Time: Aug 10 03:57:42 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	41482	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	235394	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	213161	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	99206	30.925	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.067%			
60) 4-Bromofluorobenzene	11.085	95	105803	30.304	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.000%			
63) Toluene-d8	8.653	98	290350	30.265	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	47515	19.393	ug/l	97
3) Chloromethane	1.295	50	55191	19.966	ug/l	96
4) Vinyl Chloride	1.374	62	53844	19.475	ug/l	100
5) Bromomethane	1.605	94	37897	23.359	ug/l	97
6) Chloroethane	1.685	64	34248	19.784	ug/l	100
7) Trichlorofluoromethane	1.886	101	86523	19.377	ug/l	93
8) Diethyl Ether	2.142	74	31595	19.844	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	47437	19.018	ug/l	99
10) 1,1-Dichloroethene	2.319	96	47377	19.713	ug/l	91
11) Methyl Iodide	2.453	142	63640	18.847	ug/l	99
12) Methyl Acetate	2.715	43	69974	19.522	ug/l	99
13) Acrolein	2.240	56	38991	98.806	ug/l	97
14) Acrylonitrile	3.075	53	152778	96.351	ug/l	97
15) Acetone	2.386	58	40913	85.139	ug/l	97
16) Carbon Disulfide	2.514	76	99519	16.786	ug/l	98
17) Allyl chloride	2.666	41	85281	19.204	ug/l	98
18) Methylene Chloride	2.794	84	57130	20.212	ug/l	98
19) trans-1,2-Dichloroethene	3.099	96	50591	19.669	ug/l	96
20) Diisopropyl ether	3.770	45	177607	20.028	ug/l	98
21) 1,1-Dichloroethane	3.617	63	96818	20.045	ug/l	98
22) cis-1,2-Dichloroethene	4.501	96	59176	19.768	ug/l	96
23) tert-Butyl Alcohol	2.977	59	66849	92.908	ug/l	100
24) Methyl tert-Butyl Ether	3.123	73	171785	20.377	ug/l	99
25) Chloroform	5.105	83	99495	20.081	ug/l	99
26) Cyclohexane	5.477	56	86523	19.730	ug/l #	100
29) 1,1-Dichloropropene	5.702	75	71074	19.386	ug/l	99
30) 2-Butanone	4.568	43	223992	91.147	ug/l	100
31) 2,2-Dichloropropane	4.483	77	76036	18.346	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	84426	19.035	ug/l	97
33) Carbon Tetrachloride	5.684	117	71771	18.605	ug/l	98
34) Benzene	6.044	78	213902	19.352	ug/l	97
35) Methacrylonitrile	4.934	41	46776	18.931	ug/l	98
36) 1,2-Dichloroethane	6.092	62	83726	19.823	ug/l	100
37) Trichloroethene	7.129	130	57972	19.304	ug/l	99
38) Methylcyclohexane	7.385	83	86524	18.553	ug/l	99
39) 1,2-Dichloropropane	7.440	63	56852	19.656	ug/l	95
40) Dibromomethane	7.586	93	38596	18.811	ug/l	99
41) Bromodichloromethane	7.830	83	67912	18.237	ug/l	100
42) Vinyl Acetate	3.733	43	781695	97.653	ug/l	100

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43) Ethyl Acetate	4.727	43	85540	18.764	ug/l	99
44) Isopropyl Acetate	6.349	43	141523	19.500	ug/l	100
45) 1,4-Dioxane	7.665	88	27689	367.676	ug/l	94
46) Methyl methacrylate	7.702	41	67153	19.186	ug/l	98
47) n-amyl Acetate	10.848	43	125866	20.385	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	79340	18.249	ug/l	99
49) cis-1,3-Dichloropropene	8.373	75	84560	18.340	ug/l	96
50) 1,1,2-Trichloroethane	9.159	97	57862	19.526	ug/l	95
51) Ethyl methacrylate	9.122	69	89523	19.161	ug/l	98
52) 1,3-Dichloropropane	9.311	76	96198	19.775	ug/l	99
53) Dibromochloromethane	9.525	129	51136	17.170	ug/l	100
54) 1,2-Dibromoethane	9.616	107	60246	19.212	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	205579	88.102	ug/l	100
56) Bromoform	10.805	173	36256	16.966	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	454034	98.801	ug/l	100
59) 2-Hexanone	9.433	43	352546	98.793	ug/l	99
61) Tetrachloroethene	9.281	164	56256	19.642	ug/l	95
62) Toluene	8.720	91	240272	19.980	ug/l	99
64) Chlorobenzene	10.086	112	148818	19.559	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	53344	18.937	ug/l	99
66) Ethyl Benzene	10.195	91	266864	20.053	ug/l	98
67) m/p-Xylenes	10.305	106	206750	40.172	ug/l	99
68) o-Xylene	10.647	106	100757	19.858	ug/l	98
69) Styrene	10.659	104	167199	19.996	ug/l	100
70) Isopropylbenzene	10.964	105	265499	19.902	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	90264	21.150	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	82698m	20.615	ug/l	
73) Bromobenzene	11.201	156	66610	20.509	ug/l	96
74) n-propylbenzene	11.305	91	305154	19.753	ug/l	100
75) 2-Chlorotoluene	11.366	91	185402	20.106	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	223473	20.199	ug/l	99
77) t-1,4-Dichloro-2-butene	11.025	75	25750	17.982	ug/l	94
78) 4-Chlorotoluene	11.457	91	205332	19.707	ug/l	99
79) tert-butylbenzene	11.720	119	216724	20.166	ug/l	100
80) 1,2,4-Trimethylbenzene	11.756	105	221530	20.205	ug/l	100
81) sec-Butylbenzene	11.896	105	275433	20.009	ug/l	100
82) p-Isopropyltoluene	12.012	119	228469	20.199	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	118813	20.196	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	118128	20.315	ug/l	99
85) n-Butylbenzene	12.335	91	201134	20.101	ug/l	99
86) Hexachloroethane	12.543	117	32732	17.806	ug/l	97
87) 1,2-Dichlorobenzene	12.341	146	116311	20.489	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	17264	18.418	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	68241	19.433	ug/l	99
90) Hexachlorobutadiene	13.725	225	28133	17.860	ug/l	98
91) Naphthalene	13.780	128	252218	20.911	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	70670	20.030	ug/l	98

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

