

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042845.D
 Acq On : 02 Aug 2024 16:09
 Operator : JC/MD
 Sample : VX0802WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Quant Time: Aug 02 21:34:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:32:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

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

Internal Standards						
1) Bromochloromethane	4.916	128	15521m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	88708	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83605	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	43405	28.501	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.000%		
60) 4-Bromofluorobenzene	11.079	95	42969	30.813	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.700%		
63) Toluene-d8	8.647	98	110430	29.946	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	19278	17.133	ug/l	95
3) Chloromethane	1.300	50	13009	16.904	ug/l	94
4) Vinyl Chloride	1.374	62	12849	16.288	ug/l	94
5) Bromomethane	1.611	94	8543	19.395	ug/l	92
6) Chloroethane	1.691	64	8649	18.413	ug/l	95
7) Trichlorofluoromethane	1.892	101	25944	18.003	ug/l	98
8) Diethyl Ether	2.136	74	9633	18.143	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	19403	18.306	ug/l	90
10) 1,1-Dichloroethene	2.318	96	18413	19.518	ug/l	98
11) Methyl Iodide	2.453	142	15370	16.418	ug/l	90
12) Methyl Acetate	2.709	43	37685	20.802	ug/l	93
13) Acrolein	2.239	56	4952	72.925	ug/l	99
14) Acrylonitrile	3.068	53	57602	92.895	ug/l	98
15) Acetone	2.386	58	18052	84.890	ug/l	100
16) Carbon Disulfide	2.514	76	35229	17.800	ug/l	99
17) Allyl chloride	2.666	41	26190	19.401	ug/l	72
18) Methylene Chloride	2.794	84	22759	18.821	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	18730	18.664	ug/l	96
20) Diisopropyl ether	3.769	45	55502	18.908	ug/l #	95
21) 1,1-Dichloroethane	3.611	63	34965	18.424	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	24288	18.934	ug/l	97
23) tert-Butyl Alcohol	2.971	59	26979	88.257	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	68598	18.888	ug/l	97
25) Chloroform	5.098	83	40542	18.882	ug/l	95
26) Cyclohexane	5.470	56	25115	17.921	ug/l #	92
29) 1,1-Dichloropropene	5.696	75	24964	20.327	ug/l	94
30) 2-Butanone	4.562	43	80437	97.935	ug/l	95
31) 2,2-Dichloropropane	4.477	77	31582	20.220	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	35342	19.757	ug/l	99
33) Carbon Tetrachloride	5.672	117	29436	19.600	ug/l	95
34) Benzene	6.037	78	76614	20.168	ug/l	96
35) Methacrylonitrile	4.928	41	15359	20.139	ug/l	94
36) 1,2-Dichloroethane	6.092	62	30566	20.137	ug/l	95
37) Trichloroethene	7.135	130	20088	20.530	ug/l	97
38) Methylcyclohexane	7.385	83	29014	19.918	ug/l	96
39) 1,2-Dichloropropane	7.433	63	18446	20.079	ug/l	93
40) Dibromomethane	7.586	93	15271	20.206	ug/l	81
41) Bromodichloromethane	7.824	83	30258	20.343	ug/l	98
42) Vinyl Acetate	3.727	43	236880	101.682	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	28435m	20.814	ug/l	
44) Isopropyl Acetate	6.342	43	45046	20.545	ug/l	94
45) 1,4-Dioxane	7.665	88	10985	423.419	ug/l	99
46) Methyl methacrylate	7.702	41	20789	19.582	ug/l	94
47) n-amyl Acetate	10.841	43	35649	19.808	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	30269	21.157	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	30190	19.681	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	20766	20.470	ug/l	98
51) Ethyl methacrylate	9.116	69	32725	20.422	ug/l	92
52) 1,3-Dichloropropane	9.311	76	35656	21.140	ug/l	99
53) Dibromochloromethane	9.524	129	23309	20.424	ug/l	97
54) 1,2-Dibromoethane	9.610	107	22194	20.827	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	79832	109.011	ug/l	99
56) Bromoform	10.799	173	15356	19.974	ug/l #	98
58) 4-Methyl-2-Pentanone	8.573	43	151288	102.681	ug/l	98
59) 2-Hexanone	9.433	43	117623	100.327	ug/l	99
61) Tetrachloroethene	9.275	164	17547	20.071	ug/l #	87
62) Toluene	8.720	91	84813	20.073	ug/l	99
64) Chlorobenzene	10.079	112	56212	19.995	ug/l	93
65) 1,1,1,2-Tetrachloroethane	10.165	131	21028	20.929	ug/l	96
66) Ethyl Benzene	10.195	91	95616	20.236	ug/l	97
67) m/p-Xylenes	10.305	106	74008	40.543	ug/l	90
68) o-Xylene	10.640	106	36808	20.670	ug/l	95
69) Styrene	10.658	104	61303	20.275	ug/l	94
70) Isopropylbenzene	10.963	105	96689	20.702	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	32669	20.180	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	26674m	19.097	ug/l	
73) Bromobenzene	11.201	156	23097	20.446	ug/l	83
74) n-propylbenzene	11.305	91	108975	20.251	ug/l	95
75) 2-Chlorotoluene	11.366	91	69114	20.615	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	80139	20.305	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	9627	19.661	ug/l	94
78) 4-Chlorotoluene	11.457	91	79638	20.748	ug/l	94
79) tert-butylbenzene	11.713	119	80001	20.204	ug/l	90
80) 1,2,4-Trimethylbenzene	11.750	105	79842	20.333	ug/l	95
81) sec-Butylbenzene	11.890	105	99883	20.228	ug/l	96
82) p-Isopropyltoluene	12.012	119	83020	20.246	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	43512	20.636	ug/l	93
84) 1,4-Dichlorobenzene	12.042	146	44240	20.794	ug/l	95
85) n-Butylbenzene	12.335	91	72095	20.210	ug/l	96
86) Hexachloroethane	12.536	117	14117	19.347	ug/l	75
87) 1,2-Dichlorobenzene	12.335	146	43322	20.850	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7901	19.244	ug/l #	70
89) 1,2,4-Trichlorobenzene	13.585	180	27666	21.689	ug/l #	97
90) Hexachlorobutadiene	13.725	225	11283	20.978	ug/l	95
91) Naphthalene	13.774	128	100294	21.172	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	27475	20.923	ug/l	95

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

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