

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043062.D
 Acq On : 16 Aug 2024 08:43
 Operator : JC/MD
 Sample : VX0816WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda
 08/19/2024

Supervised By :Semsettin
 Yesilyurt
 08/19/2024

Quant Time: Aug 16 23:50:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	22039	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	126650	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	112704	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	48912	27.417	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.400%		
60) 4-Bromofluorobenzene	11.079	95	52906	27.652	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.167%		
63) Toluene-d8	8.647	98	153352	29.620	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.733%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24067	19.161	ug/l	97
3) Chloromethane	1.300	50	32327	17.111	ug/l	98
4) Vinyl Chloride	1.374	62	33669	18.989	ug/l	97
5) Bromomethane	1.599	94	12029	26.064	ug/l	100
6) Chloroethane	1.666	64	11878	25.374	ug/l	98
7) Trichlorofluoromethane	1.867	101	41319	24.882	ug/l	98
8) Diethyl Ether	2.136	74	18597	23.582	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	25464	17.335	ug/l	96
10) 1,1-Dichloroethene	2.306	96	26635	17.538	ug/l	93
11) Methyl Iodide	2.447	142	28060	16.674	ug/l	96
12) Methyl Acetate	2.709	43	47484	17.308	ug/l	97
13) Acrolein	2.239	56	32147	71.237	ug/l	93
14) Acrylonitrile	3.068	53	88305	84.459	ug/l	96
15) Acetone	2.392	58	24196	83.253	ug/l	79
16) Carbon Disulfide	2.501	76	72210	16.087	ug/l	100
17) Allyl chloride	2.660	41	49565	16.599	ug/l	97
18) Methylene Chloride	2.788	84	29374	16.704	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	26691	16.731	ug/l	97
20) Diisopropyl ether	3.763	45	99172	16.993	ug/l	91
21) 1,1-Dichloroethane	3.605	63	51926	16.649	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	33017	17.273	ug/l	96
23) tert-Butyl Alcohol	2.995	59	35568	78.411	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	90590	16.900	ug/l	99
25) Chloroform	5.092	83	49785	17.157	ug/l	96
26) Cyclohexane	5.464	56	45409	15.852	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	33968	17.438	ug/l	99
30) 2-Butanone	4.568	43	119877	86.070	ug/l	99
31) 2,2-Dichloropropane	4.471	77	43533	18.027	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	42647	18.187	ug/l	98
33) Carbon Tetrachloride	5.672	117	35726	18.625	ug/l	98
34) Benzene	6.037	78	116145	18.013	ug/l	98
35) Methacrylonitrile	4.928	41	25442	17.523	ug/l	96
36) 1,2-Dichloroethane	6.092	62	35579	17.884	ug/l #	91
37) Trichloroethene	7.129	130	27930	19.249	ug/l	93
38) Methylcyclohexane	7.379	83	46526	17.434	ug/l	97
39) 1,2-Dichloropropane	7.427	63	28072	17.564	ug/l	96
40) Dibromomethane	7.580	93	20254	18.836	ug/l	97
41) Bromodichloromethane	7.818	83	38947	18.149	ug/l	96
42) Vinyl Acetate	3.721	43	582837	92.107	ug/l	98

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43) Ethyl Acetate	4.721	43	44661	16.764	ug/l	100
44) Isopropyl Acetate	6.342	43	75579	17.413	ug/l	99
45) 1,4-Dioxane	7.671	88	14904m	355.720	ug/l	
46) Methyl methacrylate	7.696	41	33929	16.549	ug/l	97
47) n-amyl Acetate	10.841	43	65020	16.968	ug/l	95
48) t-1,3-Dichloropropene	8.982	75	40962	17.202	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	45118	17.362	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	27667	18.676	ug/l	98
51) Ethyl methacrylate	9.116	69	47606	16.922	ug/l	99
52) 1,3-Dichloropropane	9.305	76	46773	17.995	ug/l	99
53) Dibromochloromethane	9.518	129	30050	18.677	ug/l	100
54) 1,2-Dibromoethane	9.610	107	28119	18.289	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	117621	91.254	ug/l	98
56) Bromoform	10.799	173	20797	18.502	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	236862	90.880	ug/l	99
59) 2-Hexanone	9.433	43	180500	88.704	ug/l	99
61) Tetrachloroethene	9.275	164	24153	20.317	ug/l	98
62) Toluene	8.720	91	119503	18.562	ug/l	98
64) Chlorobenzene	10.079	112	74849	18.959	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	25729	19.188	ug/l	100
66) Ethyl Benzene	10.195	91	128556	18.375	ug/l	96
67) m/p-Xylenes	10.299	106	102177	39.052	ug/l	92
68) o-Xylene	10.640	106	50360	19.029	ug/l	94
69) Styrene	10.652	104	81924	18.576	ug/l	98
70) Isopropylbenzene	10.963	105	124055	18.895	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	43800	18.007	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	34702m	16.669	ug/l	
73) Bromobenzene	11.195	156	30010	19.901	ug/l	97
74) n-propylbenzene	11.305	91	141654	18.283	ug/l	99
75) 2-Chlorotoluene	11.366	91	84879	17.710	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	101262	18.910	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	15052	15.488	ug/l	92
78) 4-Chlorotoluene	11.457	91	95329	18.321	ug/l	99
79) tert-butylbenzene	11.713	119	104643	19.186	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	101094	18.518	ug/l	95
81) sec-Butylbenzene	11.890	105	127609	18.522	ug/l	99
82) p-Isopropyltoluene	12.006	119	104734	18.786	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	53593	19.289	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	52441	18.849	ug/l	99
85) n-Butylbenzene	12.329	91	87033	17.534	ug/l	98
86) Hexachloroethane	12.536	117	20396	17.491	ug/l	91
87) 1,2-Dichlorobenzene	12.335	146	53497	19.361	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	9002	15.920	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	30712	18.783	ug/l	99
90) Hexachlorobutadiene	13.725	225	11386	18.682	ug/l	97
91) Naphthalene	13.774	128	118315	18.517	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	31684	18.997	ug/l	99

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

