

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040621.D
 Acq On : 08 Mar 2024 10:41
 Operator : JC/MD
 Sample : VX0309WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 08 23:50:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	18839	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	101828	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	92543	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	53620	28.498	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.000%		
60) 4-Bromofluorobenzene	11.079	95	51149	32.222	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	107.400%		
63) Toluene-d8	8.647	98	114862	28.086	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	93.633%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	25131	19.668	ug/l	97
3) Chloromethane	1.295	50	23972	18.311	ug/l	96
4) Vinyl Chloride	1.374	62	27243	19.255	ug/l	99
5) Bromomethane	1.605	94	20847	24.125	ug/l	100
6) Chloroethane	1.685	64	15082	18.144	ug/l	99
7) Trichlorofluoromethane	1.886	101	41027	19.045	ug/l	98
8) Diethyl Ether	2.130	74	13044	17.834	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	24192	20.502	ug/l	96
10) 1,1-Dichloroethene	2.319	96	21671	19.290	ug/l	97
11) Methyl Iodide	2.453	142	20268	14.917	ug/l	90
12) Methyl Acetate	2.703	43	33998	18.372	ug/l	99
13) Acrolein	2.233	56	32732	93.822	ug/l	97
14) Acrylonitrile	3.056	53	66319	91.011	ug/l	98
15) Acetone	2.374	58	19331	92.807	ug/l #	67
16) Carbon Disulfide	2.508	76	57957	18.771	ug/l	99
17) Allyl chloride	2.660	41	39223	18.919	ug/l	89
18) Methylene Chloride	2.788	84	25109	19.576	ug/l	91
19) trans-1,2-Dichloroethene	3.087	96	23761	19.373	ug/l	96
20) Diisopropyl ether	3.757	45	77283	18.639	ug/l #	98
21) 1,1-Dichloroethane	3.605	63	45413	19.034	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	26994	18.952	ug/l	94
23) tert-Butyl Alcohol	2.953	59	30113	87.464	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	77296	18.643	ug/l	94
25) Chloroform	5.087	83	51102	19.569	ug/l	87
26) Cyclohexane	5.471	56	35943	18.667	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	35360	20.062	ug/l	98
30) 2-Butanone	4.550	43	103337	96.077	ug/l	98
31) 2,2-Dichloropropane	4.471	77	39429	20.726	ug/l #	75
32) 1,1,1-Trichloroethane	5.379	97	44572	20.069	ug/l	99
33) Carbon Tetrachloride	5.672	117	37293	19.958	ug/l	97
34) Benzene	6.031	78	96725	20.328	ug/l	98
35) Methacrylonitrile	4.916	41	21340	19.327	ug/l	91
36) 1,2-Dichloroethane	6.086	62	43968	19.986	ug/l	96
37) Trichloroethene	7.123	130	25919	20.271	ug/l	95
38) Methylcyclohexane	7.379	83	40141	21.150	ug/l	98
39) 1,2-Dichloropropane	7.428	63	24426	20.162	ug/l	97
40) Dibromomethane	7.580	93	18834	19.789	ug/l	98
41) Bromodichloromethane	7.818	83	37223	19.659	ug/l	99
42) Vinyl Acetate	3.721	43	360077	97.235	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	39071	19.288	ug/l	98
44) Isopropyl Acetate	6.336	43	61409	18.992	ug/l	95
45) 1,4-Dioxane	7.653	88	12224	367.785	ug/l	99
46) Methyl methacrylate	7.690	41	30396	18.927	ug/l	93
47) n-amyl Acetate	10.842	43	53818	19.312	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	34348	17.164	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	37522	18.406	ug/l	94
50) 1,1,2-Trichloroethane	9.147	97	21531	17.031	ug/l	97
51) Ethyl methacrylate	9.116	69	33701	16.933	ug/l	96
52) 1,3-Dichloropropane	9.305	76	38202	17.709	ug/l	100
53) Dibromochloromethane	9.519	129	25143	17.446	ug/l	98
54) 1,2-Dibromoethane	9.610	107	25212	18.023	ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	68089	67.179	ug/l	98
56) Bromoform	10.799	173	20348	19.906	ug/l #	96
58) 4-Methyl-2-Pentanone	8.568	43	181539	88.096	ug/l	99
59) 2-Hexanone	9.427	43	144474	86.797	ug/l	96
61) Tetrachloroethene	9.269	164	21538	19.608	ug/l	97
62) Toluene	8.714	91	95050	18.649	ug/l	99
64) Chlorobenzene	10.080	112	63336	20.331	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	24675	20.767	ug/l	98
66) Ethyl Benzene	10.189	91	123151	20.956	ug/l	99
67) m/p-Xylenes	10.299	106	91991	42.389	ug/l	96
68) o-Xylene	10.640	106	45363	21.714	ug/l	96
69) Styrene	10.653	104	74546	21.239	ug/l	98
70) Isopropylbenzene	10.964	105	123707	21.915	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.207	83	42026	21.236	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	36224m	20.344	ug/l	
73) Bromobenzene	11.195	156	28860	21.596	ug/l	95
74) n-propylbenzene	11.305	91	153892	22.073	ug/l	99
75) 2-Chlorotoluene	11.360	91	90206	21.803	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	107427	21.617	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	11130	20.113	ug/l	76
78) 4-Chlorotoluene	11.451	91	107757	21.833	ug/l	98
79) tert-butylbenzene	11.713	119	100224	21.607	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	106202	21.690	ug/l	99
81) sec-Butylbenzene	11.890	105	131293	21.439	ug/l	99
82) p-Isopropyltoluene	12.006	119	108402	21.625	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	56424	21.699	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	56433	21.222	ug/l	98
85) n-Butylbenzene	12.329	91	105237	21.575	ug/l	98
86) Hexachloroethane	12.536	117	18381	21.015	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	54420	21.537	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11144	21.060	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	37120	21.818	ug/l	99
90) Hexachlorobutadiene	13.725	225	15414	22.406	ug/l	97
91) Naphthalene	13.774	128	113032	20.367	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	35383	21.092	ug/l	99

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

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