

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042839.D
 Acq On : 02 Aug 2024 13:39
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

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

Quant Time: Aug 02 21:20:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:18:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.909	128	15472	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	93657	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87443	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	44241	37.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 125.467%#			
60) 4-Bromofluorobenzene	11.079	95	43524	31.317	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.400%			
63) Toluene-d8	8.653	98	118085	30.869	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52812	54.940	ug/l	99
3) Chloromethane	1.300	50	35119	37.556	ug/l	98
4) Vinyl Chloride	1.373	62	37211	40.162	ug/l	99
5) Bromomethane	1.605	94	24710	49.015	ug/l	100
6) Chloroethane	1.684	64	24559	56.393	ug/l	99
7) Trichlorofluoromethane	1.886	101	68944	55.660	ug/l	98
8) Diethyl Ether	2.136	74	26449	51.805	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	50443	52.578	ug/l	87
10) 1,1-Dichloroethene	2.318	96	46143	50.657	ug/l	98
11) Methyl Iodide	2.453	142	48393	47.918	ug/l	91
12) Methyl Acetate	2.709	43	94358	60.452	ug/l	95
13) Acrolein	2.239	56	13828	84.291	ug/l	99
14) Acrylonitrile	3.068	53	149729	263.547	ug/l	98
15) Acetone	2.386	58	45134	265.802	ug/l	95
16) Carbon Disulfide	2.514	76	93759	51.555	ug/l	99
17) Allyl chloride	2.666	41	65354	46.263	ug/l	75
18) Methylene Chloride	2.788	84	54973	51.543	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	47924	51.736	ug/l	95
20) Diisopropyl ether	3.769	45	143766	47.578	ug/l	93
21) 1,1-Dichloroethane	3.611	63	94026	53.550	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	61460	52.540	ug/l	95
23) tert-Butyl Alcohol	2.971	59	73065	327.261	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	178405	57.187	ug/l	97
25) Chloroform	5.098	83	105032	56.795	ug/l	99
26) Cyclohexane	5.470	56	66949	47.030	ug/l #	94
29) 1,1-Dichloropropene	5.696	75	63873	51.325	ug/l	96
30) 2-Butanone	4.562	43	211203	254.425	ug/l	96
31) 2,2-Dichloropropane	4.477	77	81191	55.804	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	94144	56.985	ug/l	98
33) Carbon Tetrachloride	5.678	117	79889	55.548	ug/l	99
34) Benzene	6.037	78	199553	49.301	ug/l	98
35) Methacrylonitrile	4.922	41	40915	50.503	ug/l	94
36) 1,2-Dichloroethane	6.092	62	80175	58.545	ug/l #	93
37) Trichloroethene	7.129	130	51229	47.451	ug/l	88
38) Methylcyclohexane	7.385	83	75891	48.098	ug/l	96
39) 1,2-Dichloropropane	7.427	63	48523	48.702	ug/l	94
40) Dibromomethane	7.580	93	40748	55.248	ug/l	81
41) Bromodichloromethane	7.824	83	79847	56.736	ug/l	95
42) Vinyl Acetate	3.727	43	623267	237.621	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	71065	48.833	ug/l	100
44) Isopropyl Acetate	6.342	43	115810	50.251	ug/l	100
45) 1,4-Dioxane	7.659	88	27094	1038.627	ug/l #	95
46) Methyl methacrylate	7.696	41	58157	51.892	ug/l	88
47) n-amyl Acetate	10.841	43	95419	47.030	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	76740	55.432	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	83031	54.016	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	55109	51.590	ug/l	97
51) Ethyl methacrylate	9.116	69	85013	50.679	ug/l	94
52) 1,3-Dichloropropane	9.311	76	89726	51.651	ug/l	99
53) Dibromochloromethane	9.524	129	62411	53.213	ug/l	98
54) 1,2-Dibromoethane	9.610	107	57235	51.527	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	207762	256.944	ug/l	99
56) Bromoform	10.799	173	40758	44.006	ug/l #	98
58) 4-Methyl-2-Pentanone	8.573	43	393850	250.935	ug/l	97
59) 2-Hexanone	9.433	43	309448	251.099	ug/l	99
61) Tetrachloroethene	9.274	164	45317	42.969	ug/l	90
62) Toluene	8.720	91	220397	49.739	ug/l	98
64) Chlorobenzene	10.079	112	145038	48.254	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	53324	49.430	ug/l	99
66) Ethyl Benzene	10.195	91	250064	51.227	ug/l	97
67) m/p-Xylenes	10.305	106	189044	97.099	ug/l	92
68) o-Xylene	10.640	106	94101	48.517	ug/l	94
69) Styrene	10.658	104	161976	49.849	ug/l	95
70) Isopropylbenzene	10.963	105	248020	50.323	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	85406	50.232	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	79685m	58.803	ug/l	
73) Bromobenzene	11.201	156	58652	43.075	ug/l	86
74) n-propylbenzene	11.305	91	281616	51.207	ug/l	96
75) 2-Chlorotoluene	11.366	91	176301	50.952	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	208793	50.491	ug/l	94
77) t-1,4-Dichloro-2-butene	11.018	75	26563	52.884	ug/l	92
78) 4-Chlorotoluene	11.457	91	203123	52.592	ug/l	93
79) tert-butylbenzene	11.713	119	207885	47.649	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	207671	50.054	ug/l	94
81) sec-Butylbenzene	11.890	105	258845	49.772	ug/l	96
82) p-Isopropyltoluene	12.006	119	217765	48.509	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	110526	44.491	ug/l	95
84) 1,4-Dichlorobenzene	12.042	146	110634	44.755	ug/l	94
85) n-Butylbenzene	12.335	91	191025	53.097	ug/l	96
86) Hexachloroethane	12.536	117	38700	50.131	ug/l	68
87) 1,2-Dichlorobenzene	12.335	146	108603	43.448	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	22042	60.569	ug/l #	66
89) 1,2,4-Trichlorobenzene	13.591	180	66359	39.708	ug/l	97
90) Hexachlorobutadiene	13.725	225	27571	34.456	ug/l	98
91) Naphthalene	13.774	128	255255	49.728	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	69266	40.503	ug/l	97

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

