

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042859.D
 Acq On : 06 Aug 2024 10:07
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

08/07/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 07 04:21:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:19:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	47896	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	284887	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	267754	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	124673	28.286	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.300%
60) 4-Bromofluorobenzene	11.079	95	128310	29.373	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.900%
63) Toluene-d8	8.647	98	366512	30.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	13854	4.935	ug/l	99
3) Chloromethane	1.301	50	13648	5.297	ug/l	98
4) Vinyl Chloride	1.374	62	14579	5.300	ug/l	95
5) Bromomethane	1.599	94	9200	5.487	ug/l	86
6) Chloroethane	1.685	64	9492	5.800	ug/l	99
7) Trichlorofluoromethane	1.886	101	26131	5.955	ug/l	95
8) Diethyl Ether	2.136	74	8127	4.714	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	15259	5.101	ug/l	99
10) 1,1-Dichloroethene	2.319	96	15449	5.407	ug/l	92
11) Methyl Iodide	2.447	142	10740	4.087	ug/l	94
12) Methyl Acetate	2.709	43	19266	3.086	ug/l	94
13) Acrolein	2.239	56	7211m	40.678	ug/l	
14) Acrylonitrile	3.069	53	41973	22.114	ug/l	95
15) Acetone	2.380	58	23612	38.339	ug/l	84
16) Carbon Disulfide	2.508	76	34072	5.731	ug/l	96
17) Allyl chloride	2.666	41	23574	5.098	ug/l	93
18) Methylene Chloride	2.788	84	16793	5.069	ug/l	93
19) trans-1,2-Dichloroethene	3.087	96	15078	5.182	ug/l	97
20) Diisopropyl ether	3.757	45	45961	4.552	ug/l #	76
21) 1,1-Dichloroethane	3.605	63	27014	4.704	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	17346	4.752	ug/l	100
23) tert-Butyl Alcohol	2.959	59	24164	27.604	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	47451	4.590	ug/l	99
25) Chloroform	5.093	83	29887	4.810	ug/l	99
26) Cyclohexane	5.471	56	24758	5.465	ug/l #	93
29) 1,1-Dichloropropene	5.690	75	19342	5.268	ug/l	97
30) 2-Butanone	4.556	43	77621	28.710	ug/l	100
31) 2,2-Dichloropropane	4.471	77	21043	4.905	ug/l #	80
32) 1,1,1-Trichloroethane	5.391	97	25679m	5.051	ug/l	
33) Carbon Tetrachloride	5.678	117	21626	4.974	ug/l	99
34) Benzene	6.031	78	61618	5.242	ug/l #	92
35) Methacrylonitrile	4.916	41	11522m	4.478	ug/l	
36) 1,2-Dichloroethane	6.092	62	21580	4.975	ug/l #	87
37) Trichloroethene	7.123	130	16137	5.423	ug/l	97
38) Methylcyclohexane	7.379	83	25864	5.684	ug/l	89
39) 1,2-Dichloropropane	7.428	63	15082	5.033	ug/l #	84
40) Dibromomethane	7.580	93	11342	5.013	ug/l	94
41) Bromodichloromethane	7.818	83	22085	4.923	ug/l	90
42) Vinyl Acetate	3.721	43	204252	25.831	ug/l	100

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43) Ethyl Acetate	4.721	43	23699m	5.153	ug/l	
44) Isopropyl Acetate	6.342	43	34820	4.770	ug/l	97
45) 1,4-Dioxane	7.671	88	6601	88.847	ug/l #	89
46) Methyl methacrylate	7.702	41	16427	4.529	ug/l	91
47) n-amyl Acetate	10.842	43	28744	4.603	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	19613	4.560	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	21886	4.699	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	15111	4.897	ug/l	93
51) Ethyl methacrylate	9.116	69	23038	4.563	ug/l	98
52) 1,3-Dichloropropane	9.311	76	25877	5.110	ug/l	98
53) Dibromochloromethane	9.519	129	17126	4.769	ug/l	99
54) 1,2-Dibromoethane	9.610	107	15699	4.892	ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	47443	20.348	ug/l	99
56) Bromoform	10.799	173	11311	4.394	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	119196	23.639	ug/l	98
59) 2-Hexanone	9.427	43	103664	26.011	ug/l	100
61) Tetrachloroethene	9.269	164	14582	5.485	ug/l	93
62) Toluene	8.714	91	69609	5.308	ug/l	98
64) Chlorobenzene	10.080	112	42809	5.100	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	14395	4.724	ug/l	98
66) Ethyl Benzene	10.195	91	73281	5.027	ug/l	96
67) m/p-Xylenes	10.299	106	55398	10.052	ug/l	99
68) o-Xylene	10.640	106	26237	4.830	ug/l	95
69) Styrene	10.653	104	44915	4.801	ug/l	99
70) Isopropylbenzene	10.964	105	70246	4.913	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	24656	4.781	ug/l	96
72) 1,2,3-Trichloropropane	11.238	75	21536m	5.113	ug/l	
73) Bromobenzene	11.201	156	18704	5.148	ug/l	95
74) n-propylbenzene	11.305	91	82685	4.944	ug/l	98
75) 2-Chlorotoluene	11.366	91	50945	4.990	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	59915	4.944	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	5673	3.788	ug/l	76
78) 4-Chlorotoluene	11.451	91	59115	5.049	ug/l	99
79) tert-butylbenzene	11.713	119	59691	4.800	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	55780	4.666	ug/l	96
81) sec-Butylbenzene	11.890	105	74414	4.883	ug/l	97
82) p-Isopropyltoluene	12.006	119	61185	4.794	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	32866	4.915	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	34115	5.075	ug/l	99
85) n-Butylbenzene	12.329	91	54631	4.749	ug/l	98
86) Hexachloroethane	12.536	117	10836	4.704	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	31947	4.796	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	5041	4.327	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	20251	4.673	ug/l	98
90) Hexachlorobutadiene	13.725	225	9416	5.028	ug/l	96
91) Naphthalene	13.774	128	61989	4.249	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	20082	4.589	ug/l	99

08/08/2024

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

Manual Integrations

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[illegible]