

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040723\
 Data File : VX034966.D
 Acq On : 07 Apr 2023 12:52
 Operator : JC/MD
 Sample : VX0407WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0407WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 07 23:59:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

04/10/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.897	128	30169	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	192406	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	207086	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	84645	29.201	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.333%
60) 4-Bromofluorobenzene	11.079	95	126126	30.481	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.600%
63) Toluene-d8	8.647	98	214656	30.502	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.667%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	68315	23.875	ug/l	99
3) Chloromethane	1.294	50	72443	19.525	ug/l	98
4) Vinyl Chloride	1.374	62	71943	19.653	ug/l	99
5) Bromomethane	1.611	94	39215	16.287	ug/l	98
6) Chloroethane	1.691	64	39413	16.544	ug/l	97
7) Trichlorofluoromethane	1.892	101	101882	17.473	ug/l	97
8) Diethyl Ether	2.130	74	39529	18.831	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	61666	20.846	ug/l	99
10) 1,1-Dichloroethene	2.319	96	56271	18.791	ug/l	93
11) Methyl Iodide	2.453	142	55817	14.637	ug/l	99
12) Methyl Acetate	2.703	43	129493	19.527	ug/l	98
13) Acrolein	2.239	56	69362	90.195	ug/l	99
14) Acrylonitrile	3.062	53	176175	96.476	ug/l	99
15) Acetone	2.386	58	54593	110.120	ug/l	94
16) Carbon Disulfide	2.514	76	128909	16.830	ug/l	99
17) Allyl chloride	2.666	41	109885	18.963	ug/l	95
18) Methylene Chloride	2.788	84	66214	18.770	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	62187	18.978	ug/l	100
20) Diisopropyl ether	3.757	45	228200	19.222	ug/l	96
21) 1,1-Dichloroethane	3.611	63	121303	19.109	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	72980	19.123	ug/l	99
23) tert-Butyl Alcohol	2.983	59	73899m	89.943	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	212503	19.096	ug/l	99
25) Chloroform	5.093	83	123596	19.143	ug/l	97
26) Cyclohexane	5.464	56	103981	18.693	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	89853	20.304	ug/l	98
30) 2-Butanone	4.556	43	265505	107.582	ug/l	100
31) 2,2-Dichloropropane	4.471	77	92415	20.592	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	106292	20.474	ug/l	99
33) Carbon Tetrachloride	5.678	117	90028	21.012	ug/l	99
34) Benzene	6.037	78	265323	20.631	ug/l	100
35) Methacrylonitrile	4.916	41	56630	20.965	ug/l	98
36) 1,2-Dichloroethane	6.086	62	106374	21.097	ug/l	99
37) Trichloroethene	7.129	130	66537	20.330	ug/l	96
38) Methylcyclohexane	7.379	83	97172	20.098	ug/l	95
39) 1,2-Dichloropropane	7.428	63	68215	20.407	ug/l	99
40) Dibromomethane	7.580	93	45425	19.782	ug/l	99
41) Bromodichloromethane	7.818	83	88623	20.489	ug/l	98
42) Vinyl Acetate	3.721	43	820050	101.853	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	98203	20.517	ug/l	99
44) Isopropyl Acetate	6.336	43	158734	19.591	ug/l	98
45) 1,4-Dioxane	7.690	88	33475	417.006	ug/l	95
46) Methyl methacrylate	7.690	41	81108	20.545	ug/l	95
47) n-amyl Acetate	10.842	43	130794	18.567	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	88344	18.746	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	100802	19.469	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	65465	20.464	ug/l	97
51) Ethyl methacrylate	9.116	69	100391	19.335	ug/l	98
52) 1,3-Dichloropropane	9.305	76	117172	20.734	ug/l	100
53) Dibromochloromethane	9.519	129	62715	19.817	ug/l	98
54) 1,2-Dibromoethane	9.610	107	69240	20.234	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	280150	102.529	ug/l	99
56) Bromoform	10.799	173	38817	17.789	ug/l	95
58) 4-Methyl-2-Pentanone	8.574	43	504786	106.315	ug/l	100
59) 2-Hexanone	9.427	43	383085	107.161	ug/l	100
61) Tetrachloroethene	9.275	164	59024	21.153	ug/l	97
62) Toluene	8.720	91	281651	20.800	ug/l	98
64) Chlorobenzene	10.079	112	171630	20.582	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	61178	20.523	ug/l	99
66) Ethyl Benzene	10.195	91	319638	21.194	ug/l	98
67) m/p-Xylenes	10.299	106	241059	42.008	ug/l	100
68) o-Xylene	10.640	106	117730	20.746	ug/l	98
69) Styrene	10.653	104	191457	20.465	ug/l	99
70) Isopropylbenzene	10.963	105	309668	21.085	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	99280	20.565	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	85465m	19.448	ug/l	
73) Bromobenzene	11.195	156	73705	20.896	ug/l	95
74) n-propylbenzene	11.305	91	358012	20.940	ug/l	99
75) 2-Chlorotoluene	11.366	91	225680	21.173	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	261243	21.130	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22369	16.574	ug/l	84
78) 4-Chlorotoluene	11.451	91	256313	20.976	ug/l	99
79) tert-butylbenzene	11.713	119	245131	20.770	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	260621	21.213	ug/l	97
81) sec-Butylbenzene	11.890	105	300776	21.032	ug/l	99
82) p-Isopropyltoluene	12.006	119	252543	20.927	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	136883	20.550	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	138233	20.666	ug/l	100
85) n-Butylbenzene	12.329	91	213380	20.516	ug/l	100
86) Hexachloroethane	12.536	117	36431	18.431	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	134705	20.667	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	21104	20.004	ug/l	91
89) 1,2,4-Trichlorobenzene	13.585	180	78051	19.962	ug/l	97
90) Hexachlorobutadiene	13.725	225	33323	22.099	ug/l	97
91) Naphthalene	13.774	128	278874	20.187	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	80942	20.708	ug/l	99

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

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