

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
 Data File : VX041654.D
 Acq On : 28 May 2024 10:32
 Operator : JC/MD
 Sample : VX0528WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/29/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: May 29 05:37:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	25976	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	143254	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	134955	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	62411	30.510	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.700%
60) 4-Bromofluorobenzene	11.079	95	64741	30.730	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.433%
63) Toluene-d8	8.647	98	169730	29.340	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25637	18.869	ug/l	95
3) Chloromethane	1.300	50	27109	18.221	ug/l	95
4) Vinyl Chloride	1.374	62	28644	18.286	ug/l	96
5) Bromomethane	1.599	94	19164	19.235	ug/l	96
6) Chloroethane	1.666	64	17863	22.555	ug/l	95
7) Trichlorofluoromethane	1.867	101	50548	21.260	ug/l	98
8) Diethyl Ether	2.136	74	19983	22.506	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29726	21.560	ug/l	99
10) 1,1-Dichloroethene	2.312	96	27551	20.731	ug/l	96
11) Methyl Iodide	2.447	142	35721	22.567	ug/l	99
12) Methyl Acetate	2.703	43	47568	23.765	ug/l	96
13) Acrolein	2.239	56	22170	90.984	ug/l	99
14) Acrylonitrile	3.062	53	94571	107.466	ug/l	99
15) Acetone	2.386	58	29923	126.909	ug/l	95
16) Carbon Disulfide	2.501	76	55278	18.422	ug/l	97
17) Allyl chloride	2.660	41	48076	20.384	ug/l	98
18) Methylene Chloride	2.788	84	33084	20.931	ug/l	93
19) trans-1,2-Dichloroethene	3.087	96	28351	18.603	ug/l	96
20) Diisopropyl ether	3.763	45	100796	20.341	ug/l	93
21) 1,1-Dichloroethane	3.605	63	55110	19.816	ug/l	99
22) cis-1,2-Dichloroethene	4.477	96	36339	19.623	ug/l	97
23) tert-Butyl Alcohol	2.995	59	41812	111.962	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	101541	20.465	ug/l	99
25) Chloroform	5.086	83	59581	20.110	ug/l	98
26) Cyclohexane	5.464	56	43742	18.861	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	36596	19.312	ug/l	100
30) 2-Butanone	4.562	43	141181	112.244	ug/l	99
31) 2,2-Dichloropropane	4.471	77	44998	20.233	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	50336	19.796	ug/l	98
33) Carbon Tetrachloride	5.665	117	43152	19.835	ug/l	99
34) Benzene	6.031	78	119407	19.952	ug/l	97
35) Methacrylonitrile	4.922	41	28266	22.277	ug/l	95
36) 1,2-Dichloroethane	6.086	62	46371	20.764	ug/l	100
37) Trichloroethene	7.123	130	32660	19.587	ug/l	100
38) Methylcyclohexane	7.372	83	46906	19.494	ug/l	100
39) 1,2-Dichloropropane	7.427	63	28995	20.495	ug/l	98
40) Dibromomethane	7.580	93	23095	20.743	ug/l	99
41) Bromodichloromethane	7.818	83	43879	20.992	ug/l	97
42) Vinyl Acetate	3.721	43	452667	103.727	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	50938	20.989	ug/l	99
44) Isopropyl Acetate	6.342	43	78287	21.340	ug/l	99
45) 1,4-Dioxane	7.665	88	16856	407.411	ug/l	90
46) Methyl methacrylate	7.690	41	39152	21.449	ug/l	98
47) n-amyl Acetate	10.841	43	68867	20.701	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	42674	20.329	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	46461	20.434	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	32589	21.040	ug/l	96
51) Ethyl methacrylate	9.116	69	51401	20.617	ug/l	98
52) 1,3-Dichloropropane	9.305	76	54629	21.344	ug/l	99
53) Dibromochloromethane	9.518	129	36741	20.848	ug/l	100
54) 1,2-Dibromoethane	9.610	107	34793	21.183	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	145818	119.828	ug/l	99
56) Bromoform	10.799	173	29723	21.051	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	273566	110.943	ug/l	99
59) 2-Hexanone	9.427	43	216905	110.418	ug/l	100
61) Tetrachloroethene	9.268	164	32050	19.411	ug/l	94
62) Toluene	8.714	91	133160	19.830	ug/l	100
64) Chlorobenzene	10.079	112	91635	20.090	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	32854	20.350	ug/l	99
66) Ethyl Benzene	10.189	91	148643	19.934	ug/l	97
67) m/p-Xylenes	10.299	106	119527	40.992	ug/l	100
68) o-Xylene	10.640	106	59618	20.312	ug/l	98
69) Styrene	10.652	104	98015	19.917	ug/l	99
70) Isopropylbenzene	10.963	105	154120	20.780	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	55698	21.861	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	45387m	19.753	ug/l	
73) Bromobenzene	11.195	156	44495	20.418	ug/l	99
74) n-propylbenzene	11.305	91	172547	20.632	ug/l	99
75) 2-Chlorotoluene	11.360	91	107942	20.554	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	129201	20.409	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15420	21.351	ug/l	91
78) 4-Chlorotoluene	11.451	91	123409	20.632	ug/l	100
79) tert-butylbenzene	11.713	119	138555	20.564	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	131617	20.743	ug/l	99
81) sec-Butylbenzene	11.890	105	161801	20.551	ug/l	100
82) p-Isopropyltoluene	12.006	119	140298	20.357	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	79483	20.337	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	78978	19.999	ug/l	98
85) n-Butylbenzene	12.329	91	109510	19.746	ug/l	99
86) Hexachloroethane	12.536	117	23648	20.381	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	82033	20.564	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12331	22.038	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	54005	20.148	ug/l	99
90) Hexachlorobutadiene	13.725	225	27153	20.764	ug/l	99
91) Naphthalene	13.774	128	169320	21.135	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	56567	20.656	ug/l	99

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

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