

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042068.D
 Acq On : 27 Jun 2024 12:38
 Operator : JC/MD
 Sample : VX0627WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 28 04:01:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	30498	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	165702	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154979	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58452	27.842	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.800%
60) 4-Bromofluorobenzene	11.079	95	71763	29.914	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.700%
63) Toluene-d8	8.647	98	194735	29.369	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	33321	16.878	ug/l	97
3) Chloromethane	1.300	50	35027	15.872	ug/l	95
4) Vinyl Chloride	1.374	62	35452	16.427	ug/l	97
5) Bromomethane	1.593	94	18709	16.217	ug/l	100
6) Chloroethane	1.666	64	19948	21.634	ug/l	93
7) Trichlorofluoromethane	1.874	101	45405	16.706	ug/l	97
8) Diethyl Ether	2.136	74	21506	18.284	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	33624	18.198	ug/l	99
10) 1,1-Dichloroethene	2.306	96	33081	17.749	ug/l	94
11) Methyl Iodide	2.440	142	40304	16.614	ug/l	99
12) Methyl Acetate	2.709	43	48289	20.321	ug/l	94
13) Acrolein	2.239	56	44927	93.765	ug/l	98
14) Acrylonitrile	3.068	53	108973	96.618	ug/l	99
15) Acetone	2.392	58	27751	86.010	ug/l	87
16) Carbon Disulfide	2.501	76	70223	17.192	ug/l	98
17) Allyl chloride	2.654	41	52486	18.542	ug/l	97
18) Methylene Chloride	2.788	84	39267	18.367	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	33553	17.970	ug/l	97
20) Diisopropyl ether	3.763	45	108729	18.687	ug/l	98
21) 1,1-Dichloroethane	3.605	63	60520	18.210	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	42455	18.784	ug/l	98
23) tert-Butyl Alcohol	2.989	59	40742	97.160	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	114044	19.780	ug/l	97
25) Chloroform	5.092	83	63121	18.688	ug/l	97
26) Cyclohexane	5.464	56	49746	17.233	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	40452	18.704	ug/l	99
30) 2-Butanone	4.562	43	144172	99.769	ug/l	98
31) 2,2-Dichloropropane	4.471	77	42757	18.043	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	53038	19.347	ug/l	99
33) Carbon Tetrachloride	5.672	117	45439	19.218	ug/l	98
34) Benzene	6.037	78	139491	19.362	ug/l	98
35) Methacrylonitrile	4.928	41	29160	20.090	ug/l	96
36) 1,2-Dichloroethane	6.080	62	45086	20.088	ug/l	99
37) Trichloroethene	7.123	130	38513	19.571	ug/l	99
38) Methylcyclohexane	7.379	83	54558	19.046	ug/l	96
39) 1,2-Dichloropropane	7.427	63	33687	19.630	ug/l	97
40) Dibromomethane	7.580	93	25663	20.215	ug/l	98
41) Bromodichloromethane	7.824	83	45573	20.038	ug/l	99
42) Vinyl Acetate	3.721	43	484028	100.069	ug/l	99

07/01/2024
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	53922	19.901	ug/l	99
44) Isopropyl Acetate	6.348	43	81159	19.999	ug/l	99
45) 1,4-Dioxane	7.665	88	20000m	404.309	ug/l	99
46) Methyl methacrylate	7.696	41	39345	19.829	ug/l	99
47) n-amyl Acetate	10.841	43	70999	19.494	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	45487	19.425	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	51999	19.796	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	37376	20.248	ug/l	99
51) Ethyl methacrylate	9.116	69	59708	20.361	ug/l	97
52) 1,3-Dichloropropane	9.311	76	61610	20.416	ug/l	99
53) Dibromochloromethane	9.518	129	42347	20.963	ug/l	97
54) 1,2-Dibromoethane	9.610	107	39984	20.540	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	147553	108.104	ug/l	98
56) Bromoform	10.799	173	33461	20.314	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	285338	102.747	ug/l	99
59) 2-Hexanone	9.433	43	217718	101.573	ug/l	99
61) Tetrachloroethene	9.275	164	37840	19.404	ug/l	98
62) Toluene	8.720	91	154354	19.682	ug/l	99
64) Chlorobenzene	10.079	112	105059	19.672	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	36623	19.856	ug/l	99
66) Ethyl Benzene	10.195	91	168911	19.700	ug/l	98
67) m/p-Xylenes	10.299	106	136263	39.511	ug/l	98
68) o-Xylene	10.640	106	68529	19.930	ug/l	99
69) Styrene	10.652	104	113456	19.746	ug/l	100
70) Isopropylbenzene	10.963	105	173534	20.072	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	60617	20.260	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	53396m	22.033	ug/l	99
73) Bromobenzene	11.195	156	50693	20.102	ug/l	96
74) n-propylbenzene	11.305	91	184489	19.426	ug/l	99
75) 2-Chlorotoluene	11.366	91	118960	19.726	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	142393	19.660	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15695	17.507	ug/l	94
78) 4-Chlorotoluene	11.451	91	129865	19.385	ug/l	99
79) tert-butylbenzene	11.713	119	154570	20.105	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	145913	20.165	ug/l	98
81) sec-Butylbenzene	11.890	105	179711	20.041	ug/l	100
82) p-Isopropyltoluene	12.006	119	156132	19.869	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	87879	19.545	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	88114	19.688	ug/l	100
85) n-Butylbenzene	12.335	91	115285	18.972	ug/l	100
86) Hexachloroethane	12.536	117	23892	18.618	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	90207	19.838	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11886	19.206	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	60236	19.569	ug/l	98
90) Hexachlorobutadiene	13.725	225	29180	19.238	ug/l	97
91) Naphthalene	13.774	128	190773	20.511	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	63154	19.811	ug/l	99

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

