

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042067.D
 Acq On : 27 Jun 2024 12:11
 Operator : JC/MD
 Sample : VX0627WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

07/01/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 28 04:00:44 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	30499	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	173381	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	161500	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59169	28.182	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.933%
60) 4-Bromofluorobenzene	11.079	95	74305	29.723	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.067%
63) Toluene-d8	8.647	98	200967	29.085	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.967%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35740	18.103	ug/l	100
3) Chloromethane	1.300	50	37257	16.882	ug/l	99
4) Vinyl Chloride	1.374	62	37549	17.398	ug/l	98
5) Bromomethane	1.593	94	18263	15.830	ug/l	100
6) Chloroethane	1.666	64	19800	21.473	ug/l	94
7) Trichlorofluoromethane	1.867	101	53176	19.564	ug/l	99
8) Diethyl Ether	2.136	74	21774	18.511	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.312	101	35810	19.380	ug/l	99
10) 1,1-Dichloroethene	2.306	96	34273	18.388	ug/l	92
11) Methyl Iodide	2.440	142	39207	16.161	ug/l	97
12) Methyl Acetate	2.709	43	46951	19.757	ug/l	96
13) Acrolein	2.239	56	42837	89.400	ug/l	96
14) Acrylonitrile	3.068	53	101696	90.163	ug/l	98
15) Acetone	2.392	58	27449	85.072	ug/l	94
16) Carbon Disulfide	2.495	76	73092	17.893	ug/l	99
17) Allyl chloride	2.654	41	52864	18.675	ug/l	98
18) Methylene Chloride	2.782	84	39095	18.286	ug/l	93
19) trans-1,2-Dichloroethene	3.081	96	35122	18.810	ug/l	98
20) Diisopropyl ether	3.763	45	110439	18.980	ug/l	98
21) 1,1-Dichloroethane	3.605	63	62036	18.665	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	43870	19.409	ug/l	97
23) tert-Butyl Alcohol	2.989	59	35222	83.994	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	112388	19.492	ug/l	98
25) Chloroform	5.086	83	64257	19.024	ug/l	97
26) Cyclohexane	5.458	56	53190	18.425	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	43440	19.196	ug/l	98
30) 2-Butanone	4.562	43	142609	94.317	ug/l	100
31) 2,2-Dichloropropane	4.471	77	45308	18.273	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	55076	19.200	ug/l	99
33) Carbon Tetrachloride	5.672	117	47087	19.033	ug/l	99
34) Benzene	6.031	78	144844	19.214	ug/l	97
35) Methacrylonitrile	4.928	41	29061	19.135	ug/l	96
36) 1,2-Dichloroethane	6.086	62	44847	19.097	ug/l	100
37) Trichloroethene	7.123	130	39954	19.404	ug/l	97
38) Methylcyclohexane	7.379	83	57896	19.316	ug/l	96
39) 1,2-Dichloropropane	7.427	63	35092	19.543	ug/l	100
40) Dibromomethane	7.580	93	25149	18.933	ug/l	96
41) Bromodichloromethane	7.818	83	46053	19.352	ug/l	99
42) Vinyl Acetate	3.721	43	476355	94.121	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.721	43	52929	18.670	ug/l	#	85
44) Isopropyl Acetate	6.342	43	81211	19.125	ug/l		100
45) 1,4-Dioxane	7.665	88	20295m	392.102	ug/l		
46) Methyl methacrylate	7.696	41	39062	18.815	ug/l		95
47) n-amyl Acetate	10.841	43	70383	18.469	ug/l		99
48) t-1,3-Dichloropropene	8.976	75	46536	18.993	ug/l		99
49) cis-1,3-Dichloropropene	8.366	75	52449	19.083	ug/l		97
50) 1,1,2-Trichloroethane	9.153	97	38070	19.710	ug/l		97
51) Ethyl methacrylate	9.116	69	60174	19.611	ug/l		98
52) 1,3-Dichloropropane	9.305	76	61041	19.331	ug/l		99
53) Dibromochloromethane	9.518	129	40907	19.353	ug/l		99
54) 1,2-Dibromoethane	9.610	107	40108	19.691	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	147982	103.616	ug/l		99
56) Bromoform	10.799	173	32400	18.798	ug/l		99
58) 4-Methyl-2-Pentanone	8.574	43	280852	97.048	ug/l		99
59) 2-Hexanone	9.433	43	214234	95.912	ug/l		98
61) Tetrachloroethene	9.269	164	38915	19.149	ug/l		98
62) Toluene	8.714	91	158616	19.409	ug/l		100
64) Chlorobenzene	10.079	112	108030	19.412	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.159	131	37577	19.551	ug/l		100
66) Ethyl Benzene	10.195	91	174376	19.516	ug/l		99
67) m/p-Xylenes	10.299	106	141362	39.334	ug/l		98
68) o-Xylene	10.640	106	70334	19.629	ug/l		97
69) Styrene	10.652	104	118071	19.719	ug/l		99
70) Isopropylbenzene	10.963	105	181373	20.132	ug/l		100
71) 1,1,2,2-Tetrachloroethane	11.213	83	59459	19.070	ug/l		100
72) 1,2,3-Trichloropropane	11.238	75	52274m	20.699	ug/l		
73) Bromobenzene	11.201	156	51087	19.440	ug/l		98
74) n-propylbenzene	11.305	91	193848	19.587	ug/l		99
75) 2-Chlorotoluene	11.366	91	123444	19.643	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	148787	19.713	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	16097	17.230	ug/l		94
78) 4-Chlorotoluene	11.451	91	134383	19.249	ug/l		98
79) tert-butylbenzene	11.713	119	160515	20.035	ug/l		99
80) 1,2,4-Trimethylbenzene	11.750	105	147961	19.622	ug/l		100
81) sec-Butylbenzene	11.890	105	187327	20.047	ug/l		100
82) p-Isopropyltoluene	12.012	119	163154	19.924	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	90571	19.330	ug/l		100
84) 1,4-Dichlorobenzene	12.042	146	89868	19.269	ug/l		99
85) n-Butylbenzene	12.329	91	121383	19.169	ug/l		100
86) Hexachloroethane	12.536	117	25016	18.707	ug/l		96
87) 1,2-Dichlorobenzene	12.335	146	91352	19.278	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12130	18.809	ug/l		98
89) 1,2,4-Trichlorobenzene	13.591	180	61538	19.185	ug/l		99
90) Hexachlorobutadiene	13.725	225	31224	19.754	ug/l		98
91) Naphthalene	13.774	128	191961	19.806	ug/l		100
92) 1,2,3-Trichlorobenzene	13.963	180	64402	19.386	ug/l		98

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

