

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041954.D
 Acq On : 20 Jun 2024 10:32
 Operator : JC/MD
 Sample : VX0620WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 21 03:13:52 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	4.898	128	30034	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	169934	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158426	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	64009	30.959	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.200%
60) 4-Bromofluorobenzene	11.079	95	74643	30.438	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.467%
63) Toluene-d8	8.647	98	205429	30.308	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	36487	18.767	ug/l	98
3) Chloromethane	1.301	50	38717	17.815	ug/l	100
4) Vinyl Chloride	1.374	62	38042	17.899	ug/l	99
5) Bromomethane	1.599	94	19915	17.529	ug/l	98
6) Chloroethane	1.666	64	20796	22.902	ug/l	98
7) Trichlorofluoromethane	1.874	101	53249	19.895	ug/l	100
8) Diethyl Ether	2.136	74	22662	19.564	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34850	19.153	ug/l	100
10) 1,1-Dichloroethene	2.313	96	32721	17.827	ug/l	96
11) Methyl Iodide	2.447	142	41324	17.298	ug/l	99
12) Methyl Acetate	2.709	43	47677	20.373	ug/l	99
13) Acrolein	2.240	56	46018	97.525	ug/l	97
14) Acrylonitrile	3.069	53	110369	99.368	ug/l	98
15) Acetone	2.392	58	31862	100.277	ug/l	94
16) Carbon Disulfide	2.502	76	69458	17.267	ug/l	100
17) Allyl chloride	2.660	41	54306	19.481	ug/l	98
18) Methylene Chloride	2.788	84	38464	18.270	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	33300	18.110	ug/l	93
20) Diisopropyl ether	3.764	45	111017	19.375	ug/l	96
21) 1,1-Dichloroethane	3.605	63	60976	18.630	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	41641	18.708	ug/l	99
23) tert-Butyl Alcohol	2.989	59	43947	106.423	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	109545	19.293	ug/l	100
25) Chloroform	5.093	83	63371	19.052	ug/l	99
26) Cyclohexane	5.465	56	51941	18.271	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	40734	18.366	ug/l	99
30) 2-Butanone	4.562	43	152605	102.975	ug/l	100
31) 2,2-Dichloropropane	4.471	77	45196	18.597	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	51296	18.245	ug/l	98
33) Carbon Tetrachloride	5.672	117	45054	18.581	ug/l	97
34) Benzene	6.032	78	138235	18.710	ug/l	100
35) Methacrylonitrile	4.922	41	29709	19.959	ug/l	98
36) 1,2-Dichloroethane	6.086	62	45493	19.765	ug/l	99
37) Trichloroethene	7.123	130	37000	18.334	ug/l	96
38) Methylcyclohexane	7.373	83	55248	18.806	ug/l	99
39) 1,2-Dichloropropane	7.428	63	33391	18.973	ug/l	99
40) Dibromomethane	7.580	93	25703	19.742	ug/l	96
41) Bromodichloromethane	7.824	83	44917	19.258	ug/l	98
42) Vinyl Acetate	3.721	43	496941	100.180	ug/l	99

06/21/2024
 Supervised By :Mahesh
 Radoda

06/21/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	55648	20.027	ug/l	99
44) Isopropyl Acetate	6.342	43	82319	19.779	ug/l	99
45) 1,4-Dioxane	7.665	88	20530	404.687	ug/l	100
46) Methyl methacrylate	7.696	41	39961	19.638	ug/l	97
47) n-amyl Acetate	10.842	43	72474	19.403	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	44194	18.403	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	50017	18.567	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	37357	19.733	ug/l	98
51) Ethyl methacrylate	9.116	69	57357	19.073	ug/l	99
52) 1,3-Dichloropropane	9.305	76	59632	19.268	ug/l	99
53) Dibromochloromethane	9.519	129	38901	18.777	ug/l	99
54) 1,2-Dibromoethane	9.610	107	38621	19.346	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	150157	107.272	ug/l	99
56) Bromoform	10.799	173	31172	18.453	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	296167	104.326	ug/l	98
59) 2-Hexanone	9.433	43	228946	104.487	ug/l	99
61) Tetrachloroethene	9.269	164	36614	18.366	ug/l	95
62) Toluene	8.714	91	152029	18.964	ug/l	99
64) Chlorobenzene	10.080	112	102277	18.735	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	35459	18.807	ug/l	98
66) Ethyl Benzene	10.195	91	164035	18.715	ug/l	97
67) m/p-Xylenes	10.299	106	132779	37.663	ug/l	98
68) o-Xylene	10.640	106	65619	18.669	ug/l	99
69) Styrene	10.653	104	109916	18.713	ug/l	99
70) Isopropylbenzene	10.964	105	166991	18.895	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	60912	19.915	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	49107m	19.823	ug/l	
73) Bromobenzene	11.195	156	48476	18.805	ug/l	99
74) n-propylbenzene	11.305	91	185191	19.076	ug/l	99
75) 2-Chlorotoluene	11.366	91	117587	19.074	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	141836	19.157	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	16871	18.409	ug/l	95
78) 4-Chlorotoluene	11.451	91	129719	18.942	ug/l	99
79) tert-butylbenzene	11.713	119	148927	18.950	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	143154	19.353	ug/l	97
81) sec-Butylbenzene	11.890	105	175935	19.193	ug/l	100
82) p-Isopropyltoluene	12.006	119	152535	18.989	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	84670	18.421	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	85264	18.636	ug/l	99
85) n-Butylbenzene	12.329	91	114588	18.447	ug/l	100
86) Hexachloroethane	12.536	117	24761	18.875	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	88231	18.981	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12499	19.757	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	56698	18.019	ug/l	97
90) Hexachlorobutadiene	13.725	225	29507	19.030	ug/l	100
91) Naphthalene	13.774	128	175267	18.434	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	59919	18.387	ug/l	99

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

