

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041538.D
 Acq On : 15 May 2024 14:33
 Operator : JC/MD
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Quant Time: May 16 05:25:05 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

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

Internal Standards						
1) Bromochloromethane	4.897	128	34154	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	187783	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	176117	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	77171	28.692	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.633%		
60) 4-Bromofluorobenzene	11.079	95	83006	30.192	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.633%		
63) Toluene-d8	8.647	98	221819	29.382	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.933%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32784	18.352	ug/l	98
3) Chloromethane	1.294	50	33973	17.367	ug/l	99
4) Vinyl Chloride	1.374	62	35102	17.043	ug/l	98
5) Bromomethane	1.599	94	21303	16.262	ug/l	93
6) Chloroethane	1.666	64	18618	17.880	ug/l	96
7) Trichlorofluoromethane	1.874	101	53320	17.056	ug/l	99
8) Diethyl Ether	2.136	74	19708	16.881	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34481	19.020	ug/l	98
10) 1,1-Dichloroethene	2.312	96	32851	18.800	ug/l	98
11) Methyl Iodide	2.447	142	34150	16.408	ug/l	98
12) Methyl Acetate	2.703	43	46907	17.824	ug/l	97
13) Acrolein	2.239	56	23236	72.525	ug/l	97
14) Acrylonitrile	3.068	53	102193	88.321	ug/l	100
15) Acetone	2.386	58	30949	99.831	ug/l	97
16) Carbon Disulfide	2.501	76	72389	18.348	ug/l	99
17) Allyl chloride	2.660	41	55859	18.013	ug/l	96
18) Methylene Chloride	2.782	84	36308	17.470	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	33370	16.654	ug/l	97
20) Diisopropyl ether	3.757	45	112199	17.221	ug/l	97
21) 1,1-Dichloroethane	3.605	63	62019	16.960	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	41677	17.117	ug/l	96
23) tert-Butyl Alcohol	2.995	59	47120	95.963	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	112313	17.216	ug/l	100
25) Chloroform	5.092	83	66661	17.112	ug/l	99
26) Cyclohexane	5.458	56	52799	17.315	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	44725	18.005	ug/l	99
30) 2-Butanone	4.562	43	154262	93.561	ug/l	100
31) 2,2-Dichloropropane	4.465	77	53180	18.242	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	58930	17.681	ug/l	99
33) Carbon Tetrachloride	5.672	117	50893	17.846	ug/l	97
34) Benzene	6.031	78	138712	17.682	ug/l	97
35) Methacrylonitrile	4.922	41	30275	18.203	ug/l	95
36) 1,2-Dichloroethane	6.080	62	52024	17.771	ug/l	99
37) Trichloroethene	7.123	130	38772	17.738	ug/l	99
38) Methylcyclohexane	7.373	83	58470	18.538	ug/l	99
39) 1,2-Dichloropropane	7.427	63	32902	17.742	ug/l	99
40) Dibromomethane	7.580	93	25325	17.352	ug/l	98
41) Bromodichloromethane	7.818	83	47209	17.229	ug/l	100
42) Vinyl Acetate	3.721	43	511544	89.423	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	55225	17.359	ug/l	99
44) Isopropyl Acetate	6.336	43	84914	17.657	ug/l	100
45) 1,4-Dioxane	7.665	88	20718m	382.012	ug/l	
46) Methyl methacrylate	7.696	41	42994	17.969	ug/l	96
47) n-amyl Acetate	10.841	43	76060	17.441	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	47651	17.317	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	50923	17.086	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	36017	17.739	ug/l	95
51) Ethyl methacrylate	9.116	69	57031	17.451	ug/l	95
52) 1,3-Dichloropropane	9.305	76	58175	17.340	ug/l	99
53) Dibromochloromethane	9.518	129	39554	17.122	ug/l	99
54) 1,2-Dibromoethane	9.610	107	38478	17.872	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	118376	74.210	ug/l	100
56) Bromoform	10.799	173	31581	17.063	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	291763	90.668	ug/l	98
59) 2-Hexanone	9.433	43	235923	92.030	ug/l	100
61) Tetrachloroethene	9.269	164	38749	17.983	ug/l	97
62) Toluene	8.714	91	154409	17.620	ug/l	100
64) Chlorobenzene	10.079	112	105960	17.801	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	36417	17.285	ug/l	99
66) Ethyl Benzene	10.195	91	170563	17.528	ug/l	100
67) m/p-Xylenes	10.299	106	137188	36.053	ug/l	98
68) o-Xylene	10.640	106	67790	17.698	ug/l	99
69) Styrene	10.652	104	112358	17.495	ug/l	99
70) Isopropylbenzene	10.963	105	176278	18.213	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	59035	17.755	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	54546m	18.191	ug/l	
73) Bromobenzene	11.195	156	49254	17.319	ug/l	98
74) n-propylbenzene	11.305	91	196708	18.024	ug/l	99
75) 2-Chlorotoluene	11.366	91	123000	17.947	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	149678	18.118	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	16173	17.160	ug/l	90
78) 4-Chlorotoluene	11.451	91	137632	17.632	ug/l	98
79) tert-butylbenzene	11.713	119	158575	18.035	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	148874	17.979	ug/l	99
81) sec-Butylbenzene	11.890	105	186874	18.188	ug/l	100
82) p-Isopropyltoluene	12.006	119	164596	18.301	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	90954	17.833	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	91130	17.683	ug/l	98
85) n-Butylbenzene	12.329	91	129207	17.853	ug/l	100
86) Hexachloroethane	12.536	117	25553	16.875	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	90758	17.434	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12978	17.773	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	63126	18.047	ug/l	99
90) Hexachlorobutadiene	13.725	225	32181	18.858	ug/l	98
91) Naphthalene	13.774	128	187787	17.962	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	64825	18.139	ug/l	100

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

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