

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026401.D
 Acq On : 10 Jan 2022 14:44
 Operator : JC/MD
 Sample : VX0110WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 10 16:08:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	20088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	109827	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	93718	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	48484	30.015	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.067%			
60) 4-Bromofluorobenzene	11.079	95	47644	30.462	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.533%			
63) Toluene-d8	8.647	98	129153	29.998	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	26736	22.097	ug/l	97
3) Chloromethane	1.294	50	22505	21.290	ug/l	97
4) Vinyl Chloride	1.380	62	23808	20.374	ug/l	96
5) Bromomethane	1.617	94	12235	23.255	ug/l	96
6) Chloroethane	1.691	64	14365	21.664	ug/l	98
7) Trichlorofluoromethane	1.892	101	38651	20.870	ug/l	99
8) Diethyl Ether	2.136	74	14425	21.829	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	24900	21.541	ug/l	100
10) 1,1-Dichloroethene	2.325	96	23111	21.403	ug/l	98
11) Methyl Iodide	2.459	142	23956	20.427	ug/l	98
12) Methyl Acetate	2.703	43	49600	21.926	ug/l	99
13) Acrolein	2.239	56	26229	111.878	ug/l	98
14) Acrylonitrile	3.068	53	69453	110.069	ug/l	100
15) Acetone	2.386	58	20993	105.915	ug/l	96
16) Carbon Disulfide	2.520	76	62981	20.654	ug/l	99
17) Allyl chloride	2.666	41	43266	20.820	ug/l	98
18) Methylene Chloride	2.794	84	25409	21.364	ug/l	98
19) trans-1,2-Dichloroethene	3.099	96	24845	21.405	ug/l	92
20) Diisopropyl ether	3.757	45	88068	21.805	ug/l	89
21) 1,1-Dichloroethane	3.611	63	46877	21.081	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	28749	21.170	ug/l	98
23) tert-Butyl Alcohol	2.977	59	25498	111.407	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	86517	21.545	ug/l	98
25) Chloroform	5.099	83	49510	21.488	ug/l	100
26) Cyclohexane	5.470	56	43552	21.412	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	35619	20.998	ug/l	100
30) 2-Butanone	4.562	43	106551	108.163	ug/l	99
31) 2,2-Dichloropropane	4.483	77	35561	20.240	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	44010	21.311	ug/l	100
33) Carbon Tetrachloride	5.678	117	38552	21.073	ug/l	98
34) Benzene	6.043	78	102120	21.712	ug/l	99
35) Methacrylonitrile	4.922	41	22923	22.209	ug/l	98
36) 1,2-Dichloroethane	6.086	62	41498	21.846	ug/l	100
37) Trichloroethene	7.129	130	29126	21.442	ug/l	98
38) Methylcyclohexane	7.379	83	43169	21.236	ug/l	99
39) 1,2-Dichloropropane	7.433	63	26108	21.707	ug/l	99
40) Dibromomethane	7.580	93	18374	21.747	ug/l	99
41) Bromodichloromethane	7.824	83	37725	21.635	ug/l	97
42) Vinyl Acetate	3.721	43	339314	111.175	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	41041	22.914	ug/l	97
44) Isopropyl Acetate	6.336	43	65071	22.012	ug/l	100
45) 1,4-Dioxane	7.683	88	10293	449.225	ug/l	97
46) Methyl methacrylate	7.696	41	32053	22.104	ug/l	97
47) n-amyl Acetate	10.841	43	48487	21.922	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	35636	20.467	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	40774	21.178	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	25784	22.195	ug/l	97
51) Ethyl methacrylate	9.116	69	41011	22.141	ug/l	98
52) 1,3-Dichloropropane	9.305	76	44367	22.038	ug/l	100
53) Dibromochloromethane	9.518	129	26977	21.366	ug/l	100
54) 1,2-Dibromoethane	9.610	107	27299	22.158	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	105811	106.792	ug/l	99
56) Bromoform	10.799	173	17328	20.673	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	201118	115.050	ug/l	100
59) 2-Hexanone	9.433	43	153994	113.770	ug/l	99
61) Tetrachloroethene	9.275	164	29644	21.461	ug/l	96
62) Toluene	8.720	91	107355	21.457	ug/l	99
64) Chlorobenzene	10.079	112	65135	21.443	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	25130	21.726	ug/l	99
66) Ethyl Benzene	10.195	91	119752	21.391	ug/l	99
67) m/p-Xylenes	10.299	106	90297	43.414	ug/l	100
68) o-Xylene	10.640	106	43939	21.781	ug/l	97
69) Styrene	10.659	104	72198	21.532	ug/l	99
70) Isopropylbenzene	10.963	105	118303	21.858	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	33576	22.764	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	33646m	22.494	ug/l	
73) Bromobenzene	11.195	156	26652	21.513	ug/l	99
74) n-propylbenzene	11.305	91	135906	21.740	ug/l	99
75) 2-Chlorotoluene	11.366	91	81466	21.692	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	98870	21.870	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	8648	19.223	ug/l	93
78) 4-Chlorotoluene	11.457	91	93522	21.843	ug/l	100
79) tert-butylbenzene	11.713	119	90659	21.665	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	98264	22.005	ug/l	99
81) sec-Butylbenzene	11.890	105	119636	21.825	ug/l	99
82) p-Isopropyltoluene	12.012	119	99815	21.555	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	49380	21.417	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	49445	21.401	ug/l	100
85) n-Butylbenzene	12.335	91	85641	21.369	ug/l	100
86) Hexachloroethane	12.542	117	13867	19.835	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	48306	21.804	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8446	22.443	ug/l	94
89) 1,2,4-Trichlorobenzene	13.591	180	30993	21.370	ug/l	98
90) Hexachlorobutadiene	13.725	225	13485	21.303	ug/l	99
91) Naphthalene	13.774	128	107646	21.471	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	30583	21.200	ug/l	99

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

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