

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029991.D
 Acq On : 11 Jul 2022 12:22
 Operator : JC/MD
 Sample : VX0711WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/12/2022
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 01:23:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	31953	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	179997	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158159	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73328	28.144	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.800%
60) 4-Bromofluorobenzene	11.079	95	87221	29.263	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.533%
63) Toluene-d8	8.653	98	255818	29.829	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.433%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	45640	20.888	ug/l	95
3) Chloromethane	1.288	50	44698	19.617	ug/l	99
4) Vinyl Chloride	1.374	62	50526	19.570	ug/l	94
5) Bromomethane	1.612	94	21021	19.762	ug/l	100
6) Chloroethane	1.685	64	28829	20.850	ug/l	97
7) Trichlorofluoromethane	1.886	101	66697	20.379	ug/l	98
8) Diethyl Ether	2.136	74	27898	20.041	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	43090	19.554	ug/l	97
10) 1,1-Dichloroethene	2.319	96	45927	20.411	ug/l	90
11) Methyl Iodide	2.453	142	30884	20.104	ug/l	95
12) Methyl Acetate	2.709	43	70504	19.239	ug/l	92
13) Acrolein	2.240	56	36421	84.599	ug/l	100
14) Acrylonitrile	3.069	53	154169	97.748	ug/l	98
15) Acetone	2.386	58	42653	99.558	ug/l	79
16) Carbon Disulfide	2.514	76	121643	20.709	ug/l	99
17) Allyl chloride	2.666	41	77834	19.628	ug/l	93
18) Methylene Chloride	2.788	84	53057	20.239	ug/l	88
19) trans-1,2-Dichloroethene	3.093	96	47243	19.347	ug/l	91
20) Diisopropyl ether	3.764	45	148751	18.725	ug/l	90
21) 1,1-Dichloroethane	3.611	63	83925	19.625	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	57304	19.763	ug/l	97
23) tert-Butyl Alcohol	2.977	59	58474	80.928	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	142256	19.597	ug/l	98
25) Chloroform	5.099	83	84191	19.753	ug/l	100
26) Cyclohexane	5.477	56	75228	18.986	ug/l #	95
29) 1,1-Dichloropropene	5.696	75	62983	20.455	ug/l	98
30) 2-Butanone	4.562	43	205555	98.903	ug/l	98
31) 2,2-Dichloropropane	4.477	77	62523	21.245	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	69732	21.061	ug/l	99
33) Carbon Tetrachloride	5.684	117	59844	21.520	ug/l	97
34) Benzene	6.044	78	200427	20.255	ug/l #	94
35) Methacrylonitrile	4.928	41	42666	20.281	ug/l	92
36) 1,2-Dichloroethane	6.092	62	59504	19.754	ug/l	97
37) Trichloroethene	7.129	130	55858	21.107	ug/l	96
38) Methylcyclohexane	7.385	83	81217	20.328	ug/l	95
39) 1,2-Dichloropropane	7.434	63	52074	20.674	ug/l	100
40) Dibromomethane	7.586	93	35047	20.527	ug/l	95
41) Bromodichloromethane	7.824	83	66331	21.748	ug/l	98
42) Vinyl Acetate	3.727	43	652849	98.225	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	79448	20.294	ug/l	100
44) Isopropyl Acetate	6.342	43	117089	19.687	ug/l	99
45) 1,4-Dioxane	7.678	88	28088	402.309	ug/l	96
46) Methyl methacrylate	7.696	41	55889	19.830	ug/l	95
47) n-amyl Acetate	10.842	43	94559	18.508	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	69222	20.537	ug/l	92
49) cis-1,3-Dichloropropene	8.366	75	79676	21.051	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	51870	20.506	ug/l	95
51) Ethyl methacrylate	9.116	69	78724	20.000	ug/l	96
52) 1,3-Dichloropropane	9.311	76	83273	20.466	ug/l	99
53) Dibromochloromethane	9.525	129	53763	22.963	ug/l	100
54) 1,2-Dibromoethane	9.610	107	54489	20.744	ug/l	100
55) 2-Chloroethyl vinyl ether	8.245	63	206693	101.866	ug/l	97
56) Bromoform	10.799	173	39796	24.282	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	398110	101.905	ug/l	99
59) 2-Hexanone	9.433	43	304862	100.894	ug/l	98
61) Tetrachloroethene	9.275	164	52838	22.250	ug/l	97
62) Toluene	8.720	91	217051	20.631	ug/l	96
64) Chlorobenzene	10.080	112	131983	21.006	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	47795	21.814	ug/l	97
66) Ethyl Benzene	10.195	91	232287	20.776	ug/l	100
67) m/p-Xylenes	10.305	106	183531	42.303	ug/l	97
68) o-Xylene	10.647	106	88645	20.518	ug/l	96
69) Styrene	10.659	104	149781	20.950	ug/l	95
70) Isopropylbenzene	10.964	105	225568	20.737	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.214	83	80680	20.396	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	74620m	20.986	ug/l	
73) Bromobenzene	11.201	156	55971	21.458	ug/l	98
74) n-propylbenzene	11.305	91	269959	20.688	ug/l	98
75) 2-Chlorotoluene	11.366	91	158069	20.571	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	187042	20.480	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	26322	21.523	ug/l	82
78) 4-Chlorotoluene	11.457	91	174984	20.290	ug/l	97
79) tert-butylbenzene	11.713	119	181905	20.474	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	187276	19.946	ug/l	98
81) sec-Butylbenzene	11.890	105	242465	20.161	ug/l	99
82) p-Isopropyltoluene	12.012	119	196600	20.307	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	102522	20.315	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	101701	19.871	ug/l	99
85) n-Butylbenzene	12.335	91	174001	19.152	ug/l	98
86) Hexachloroethane	12.543	117	35524	22.085	ug/l	94
87) 1,2-Dichlorobenzene	12.335	146	101277	20.323	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	18357	20.349	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	63906	20.712	ug/l	100
90) Hexachlorobutadiene	13.725	225	25079	21.433	ug/l	100
91) Naphthalene	13.774	128	249786	20.311	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	65681	20.899	ug/l	99

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

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