

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026916.D
 Acq On : 10 Feb 2022 13:33
 Operator : JC/MD
 Sample : VX0210WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0210WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/11/2022
 Supervised By : Mahesh Dadoda 02/11/2022

Quant Time: Feb 11 03:55:29 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	4.904	128	17468	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	98054	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	86211	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	39329	28.000	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	93.333%	
60) 4-Bromofluorobenzene	11.079	95	42381	29.456	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.200%	
63) Toluene-d8	8.647	98	116930	29.524	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	21794	20.714	ug/l	97
3) Chloromethane	1.295	50	20585	22.395	ug/l	98
4) Vinyl Chloride	1.380	62	21251	20.913	ug/l	95
5) Bromomethane	1.612	94	9627	21.043	ug/l	99
6) Chloroethane	1.691	64	12824	22.241	ug/l	100
7) Trichlorofluoromethane	1.892	101	31891	19.803	ug/l	98
8) Diethyl Ether	2.136	74	12102	21.061	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	21564	21.453	ug/l	98
10) 1,1-Dichloroethene	2.325	96	19987	21.286	ug/l	95
11) Methyl Iodide	2.459	142	25797	25.297	ug/l	96
12) Methyl Acetate	2.703	43	47291	24.041	ug/l	98
13) Acrolein	2.240	56	24292	119.157	ug/l	98
14) Acrylonitrile	3.063	53	67882	123.715	ug/l	99
15) Acetone	2.380	58	20005	116.068	ug/l	94
16) Carbon Disulfide	2.514	76	51550	19.441	ug/l	100
17) Allyl chloride	2.666	41	37357	20.672	ug/l	98
18) Methylene Chloride	2.794	84	23459	22.683	ug/l	99
19) trans-1,2-Dichloroethene	3.093	96	21259	21.063	ug/l	97
20) Diisopropyl ether	3.764	45	76359	21.741	ug/l	96
21) 1,1-Dichloroethane	3.611	63	40942	21.173	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	25922	21.952	ug/l	95
23) tert-Butyl Alcohol	2.971	59	20630	103.657	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	72447	20.747	ug/l	98
25) Chloroform	5.093	83	42684	21.304	ug/l	95
26) Cyclohexane	5.477	56	37437	21.167	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	30973	20.452	ug/l	100
30) 2-Butanone	4.556	43	98962	112.521	ug/l	99
31) 2,2-Dichloropropane	4.477	77	29519	18.818	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	36529	19.813	ug/l	99
33) Carbon Tetrachloride	5.684	117	32633	19.979	ug/l	99
34) Benzene	6.038	78	91043	21.681	ug/l	98
35) Methacrylonitrile	4.916	41	20449	22.191	ug/l	97
36) 1,2-Dichloroethane	6.093	62	34535	20.363	ug/l	98
37) Trichloroethene	7.123	130	27092	22.339	ug/l	97
38) Methylcyclohexane	7.379	83	37910	20.888	ug/l	98
39) 1,2-Dichloropropane	7.428	63	23285	21.685	ug/l	98
40) Dibromomethane	7.580	93	16772	22.234	ug/l	99
41) Bromodichloromethane	7.824	83	32613	20.949	ug/l	99
42) Vinyl Acetate	3.721	43	292821	107.462	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	34817	21.773	ug/l	100
44) Isopropyl Acetate	6.336	43	56847	21.538	ug/l	100
45) 1,4-Dioxane	7.671	88	9638	471.143	ug/l	99
46) Methyl methacrylate	7.690	41	28096	21.702	ug/l	92
47) n-amyl Acetate	10.842	43	43110	21.831	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	31760	20.431	ug/l	94
49) cis-1,3-Dichloropropene	8.366	75	35738	20.791	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	24015	23.154	ug/l	99
51) Ethyl methacrylate	9.116	69	36886	22.305	ug/l	97
52) 1,3-Dichloropropane	9.311	76	40524	22.546	ug/l	99
53) Dibromochloromethane	9.519	129	24657	21.874	ug/l	98
54) 1,2-Dibromoethane	9.610	107	24565	22.333	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	90461	102.261	ug/l	99
56) Bromoform	10.799	173	15688	20.964	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	186549	116.009	ug/l	99
59) 2-Hexanone	9.433	43	138042	110.865	ug/l	99
61) Tetrachloroethene	9.275	164	28252	22.234	ug/l	95
62) Toluene	8.720	91	99506	21.620	ug/l	99
64) Chlorobenzene	10.080	112	61806	22.119	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	22647	21.284	ug/l	99
66) Ethyl Benzene	10.195	91	110373	21.432	ug/l	98
67) m/p-Xylenes	10.299	106	83915	43.859	ug/l	97
68) o-Xylene	10.640	106	40780	21.976	ug/l	100
69) Styrene	10.659	104	67895	22.012	ug/l	97
70) Isopropylbenzene	10.964	105	107501	21.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	29215	21.532	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	30698m	22.310	ug/l	
73) Bromobenzene	11.201	156	25148	22.067	ug/l	96
74) n-propylbenzene	11.305	91	124267	21.609	ug/l	100
75) 2-Chlorotoluene	11.366	91	73721	21.339	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	89485	21.517	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	8193	19.798	ug/l	95
78) 4-Chlorotoluene	11.457	91	83826	21.283	ug/l	98
79) tert-butylbenzene	11.713	119	81529	21.180	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	89115	21.694	ug/l	100
81) sec-Butylbenzene	11.890	105	107759	21.370	ug/l	99
82) p-Isopropyltoluene	12.012	119	90973	21.356	ug/l	98
83) 1,3-Dichlorobenzene	11.970	146	45834	21.610	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	46651	21.950	ug/l	98
85) n-Butylbenzene	12.335	91	76363	20.713	ug/l	99
86) Hexachloroethane	12.543	117	13331	20.729	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	44768	21.967	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	6758	19.522	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	27868	20.888	ug/l	99
90) Hexachlorobutadiene	13.725	225	12215	20.977	ug/l	99
91) Naphthalene	13.780	128	97673	21.178	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	27517	20.736	ug/l	97

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

