

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051122\
 Data File : VX028615.D
 Acq On : 11 May 2022 12:17
 Operator : JC/MD
 Sample : VX0511WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 12 04:53:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	54956	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	299817	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	283750	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	109479	31.325	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.400%
60) 4-Bromofluorobenzene	11.079	95	129371	29.318	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.733%
63) Toluene-d8	8.647	98	361833	30.101	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	37785	19.432	ug/l	99
3) Chloromethane	1.294	50	29845	19.470	ug/l	99
4) Vinyl Chloride	1.374	62	39238	20.136	ug/l	99
5) Bromomethane	1.605	94	30658	19.097	ug/l	100
6) Chloroethane	1.685	64	31109	20.730	ug/l	98
7) Trichlorofluoromethane	1.886	101	86969	20.412	ug/l	96
8) Diethyl Ether	2.130	74	34965	20.807	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	50217	20.041	ug/l	96
10) 1,1-Dichloroethene	2.319	96	39914	19.265	ug/l	96
11) Methyl Iodide	2.453	142	51479	18.500	ug/l	99
12) Methyl Acetate	2.703	43	69656	21.060	ug/l	97
13) Acrolein	2.233	56	55976	83.404	ug/l	99
14) Acrylonitrile	3.062	53	151918	100.889	ug/l	99
15) Acetone	2.373	58	42695	100.113	ug/l	88
16) Carbon Disulfide	2.514	76	49009	20.015	ug/l	99
17) Allyl chloride	2.666	41	60630	19.475	ug/l	87
18) Methylene Chloride	2.788	84	53644	20.152	ug/l	90
19) trans-1,2-Dichloroethene	3.093	96	44468	19.428	ug/l	88
20) Diisopropyl ether	3.757	45	156311	20.201	ug/l	94
21) 1,1-Dichloroethane	3.605	63	88776	19.411	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	63560	19.726	ug/l	95
23) tert-Butyl Alcohol	2.953	59	66959	82.335	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	176853	19.413	ug/l	97
25) Chloroform	5.099	83	107118	19.932	ug/l	98
26) Cyclohexane	5.470	56	56763	19.631	ug/l #	92
29) 1,1-Dichloropropene	5.696	75	62607	19.633	ug/l	98
30) 2-Butanone	4.550	43	204879	101.937	ug/l	93
31) 2,2-Dichloropropane	4.477	77	73038	18.649	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	88281	19.689	ug/l	100
33) Carbon Tetrachloride	5.678	117	74975	19.650	ug/l	95
34) Benzene	6.037	78	205642	20.246	ug/l	97
35) Methacrylonitrile	4.916	41	41295	20.400	ug/l	88
36) 1,2-Dichloroethane	6.086	62	78356	20.700	ug/l	96
37) Trichloroethene	7.129	130	62514	20.093	ug/l	94
38) Methylcyclohexane	7.379	83	65172	19.955	ug/l	94
39) 1,2-Dichloropropane	7.434	63	54744	20.504	ug/l	100
40) Dibromomethane	7.580	93	42352	20.681	ug/l	98
41) Bromodichloromethane	7.824	83	81864	21.065	ug/l	97
42) Vinyl Acetate	3.721	43	643924	103.377	ug/l	96

05/12/2022
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	78527	20.879	ug/l	100
44) Isopropyl Acetate	6.336	43	119702	19.739	ug/l	98
45) 1,4-Dioxane	7.659	88	31961	404.735	ug/l	90
46) Methyl methacrylate	7.690	41	57209	20.642	ug/l	86
47) n-amyl Acetate	10.841	43	101247	19.284	ug/l	96
48) t-1,3-Dichloropropene	8.982	75	78757	19.295	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	86838	19.800	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	68027	21.124	ug/l	99
51) Ethyl methacrylate	9.116	69	93095	20.202	ug/l	93
52) 1,3-Dichloropropane	9.311	76	104312	20.705	ug/l	99
53) Dibromochloromethane	9.519	129	68200	20.700	ug/l	99
54) 1,2-Dibromoethane	9.610	107	69710	20.808	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	272807	112.759	ug/l	99
56) Bromoform	10.799	173	51005	20.083	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	424254	102.780	ug/l	94
59) 2-Hexanone	9.433	43	327906	102.642	ug/l	95
61) Tetrachloroethene	9.275	164	63234	20.202	ug/l	92
62) Toluene	8.720	91	245906	19.982	ug/l	97
64) Chlorobenzene	10.079	112	170617	19.652	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	65447	19.300	ug/l	98
66) Ethyl Benzene	10.195	91	287037	19.783	ug/l	99
67) m/p-Xylenes	10.305	106	228400	39.270	ug/l	98
68) o-Xylene	10.640	106	115300	19.506	ug/l	97
69) Styrene	10.659	104	194490	19.701	ug/l	97
70) Isopropylbenzene	10.963	105	307659	20.006	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	109339	20.941	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	96067m	20.677	ug/l	
73) Bromobenzene	11.201	156	80675	19.456	ug/l	95
74) n-propylbenzene	11.305	91	345020	20.122	ug/l	100
75) 2-Chlorotoluene	11.366	91	212939	20.047	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	260481	20.200	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	25304	17.987	ug/l	95
78) 4-Chlorotoluene	11.457	91	241385	20.091	ug/l	97
79) tert-butylbenzene	11.719	119	254440	19.449	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	257847	19.920	ug/l	97
81) sec-Butylbenzene	11.890	105	309515	19.960	ug/l	99
82) p-Isopropyltoluene	12.012	119	267124	19.845	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	152083	19.555	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	154246	19.507	ug/l	99
85) n-Butylbenzene	12.335	91	215509	19.839	ug/l	99
86) Hexachloroethane	12.542	117	41962	19.812	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	156642	19.999	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	22024	19.747	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	93345	19.080	ug/l	99
90) Hexachlorobutadiene	13.725	225	41071	19.801	ug/l	98
91) Naphthalene	13.774	128	319739	18.702	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	93572	19.080	ug/l	98

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

