

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027101.D
 Acq On : 18 Feb 2022 11:20
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2022
 Supervised By :Semsettin Yesilyurt 02/22/2022

Quant Time: Feb 21 00:18:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 05:14:00 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.898	128	16358	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	88086	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77360	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	34639	29.286	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.633%	
60) 4-Bromofluorobenzene	11.079	95	37337	29.680	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.933%	
63) Toluene-d8	8.647	98	103676	29.892	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.633%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	19292	20.541	ug/l	95
3) Chloromethane	1.295	50	16738	18.763	ug/l	100
4) Vinyl Chloride	1.374	62	17322	19.462	ug/l	99
5) Bromomethane	1.612	94	11436	26.304	ug/l	97
6) Chloroethane	1.691	64	10580	19.924	ug/l	93
7) Trichlorofluoromethane	1.892	101	28485	20.533	ug/l	98
8) Diethyl Ether	2.136	74	9670	19.385	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	19841	20.540	ug/l	98
10) 1,1-Dichloroethene	2.325	96	18918	19.941	ug/l	99
11) Methyl Iodide	2.453	142	21475	17.127	ug/l	100
12) Methyl Acetate	2.703	43	27241	19.468	ug/l	99
13) Acrolein	2.240	56	20377	89.341	ug/l	99
14) Acrylonitrile	3.063	53	59468	97.025	ug/l	99
15) Acetone	2.380	58	20718	125.985	ug/l	95
16) Carbon Disulfide	2.514	76	50628	20.364	ug/l	97
17) Allyl chloride	2.666	41	33096	19.430	ug/l	96
18) Methylene Chloride	2.794	84	20544	19.206	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	20710	20.022	ug/l	91
20) Diisopropyl ether	3.764	45	67421	20.014	ug/l	97
21) 1,1-Dichloroethane	3.611	63	36543	19.486	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	23769	19.980	ug/l	97
23) tert-Butyl Alcohol	2.959	59	21494	89.591	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	64905	19.479	ug/l	100
25) Chloroform	5.099	83	38237	19.890	ug/l	96
26) Cyclohexane	5.471	56	35318	20.310	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	28354	20.259	ug/l	99
30) 2-Butanone	4.556	43	90212	107.342	ug/l	99
31) 2,2-Dichloropropane	4.477	77	27959	22.681	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	33667	20.295	ug/l	99
33) Carbon Tetrachloride	5.684	117	29766	20.485	ug/l	99
34) Benzene	6.038	78	83229	20.242	ug/l	99
35) Methacrylonitrile	4.922	41	17128	19.698	ug/l	97
36) 1,2-Dichloroethane	6.093	62	29922	20.228	ug/l	100
37) Trichloroethene	7.129	130	24748	20.481	ug/l	100
38) Methylcyclohexane	7.379	83	37136	21.536	ug/l	99
39) 1,2-Dichloropropane	7.434	63	20771	20.049	ug/l	99
40) Dibromomethane	7.580	93	14513	19.554	ug/l	99
41) Bromodichloromethane	7.824	83	28034	20.006	ug/l	98
42) Vinyl Acetate	3.721	43	286962	100.567	ug/l	99

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	31073	19.332	ug/l	99
44) Isopropyl Acetate	6.342	43	48938	19.690	ug/l	100
45) 1,4-Dioxane	7.659	88	9184	361.661	ug/l	99
46) Methyl methacrylate	7.690	41	24124	19.806	ug/l	98
47) n-amyl Acetate	10.842	43	37685	19.104	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	28170	20.215	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	32285	20.453	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	20807	20.347	ug/l	99
51) Ethyl methacrylate	9.116	69	32305	19.855	ug/l	95
52) 1,3-Dichloropropane	9.311	76	34661	19.804	ug/l	97
53) Dibromochloromethane	9.519	129	21452	20.243	ug/l	100
54) 1,2-Dibromoethane	9.610	107	22010	20.192	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	75265	94.778	ug/l	99
56) Bromoform	10.799	173	14751	20.002	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	159071	99.969	ug/l	99
59) 2-Hexanone	9.433	43	124270	102.813	ug/l	99
61) Tetrachloroethene	9.275	164	25021	20.039	ug/l	97
62) Toluene	8.720	91	88722	20.253	ug/l	100
64) Chlorobenzene	10.080	112	55662	20.525	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	20346	20.271	ug/l	98
66) Ethyl Benzene	10.195	91	98304	20.377	ug/l	100
67) m/p-Xylenes	10.305	106	76935	41.284	ug/l	100
68) o-Xylene	10.640	106	38181	20.868	ug/l	100
69) Styrene	10.659	104	61795	20.389	ug/l	100
70) Isopropylbenzene	10.964	105	98502	20.756	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	28415	20.337	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	25164m	18.054	ug/l	
73) Bromobenzene	11.201	156	23085	19.853	ug/l	99
74) n-propylbenzene	11.305	91	112599	20.765	ug/l	99
75) 2-Chlorotoluene	11.366	91	67758	20.192	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	82255	20.715	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	7999	19.783	ug/l	94
78) 4-Chlorotoluene	11.457	91	77098	20.559	ug/l	99
79) tert-butylbenzene	11.713	119	77210	20.362	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	81581	20.577	ug/l	99
81) sec-Butylbenzene	11.890	105	101468	20.898	ug/l	100
82) p-Isopropyltoluene	12.012	119	84848	20.793	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	44222	20.472	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	44536	20.537	ug/l	100
85) n-Butylbenzene	12.335	91	71685	21.160	ug/l	99
86) Hexachloroethane	12.543	117	12779	19.731	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	43784	20.873	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	6620	19.370	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	27669	20.962	ug/l	99
90) Hexachlorobutadiene	13.725	225	11936	21.595	ug/l	98
91) Naphthalene	13.780	128	95633	20.608	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	28039	20.995	ug/l	99

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

