

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029986.D
 Acq On : 11 Jul 2022 09:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Jul 12 01:22:12 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	4.897	128	30690	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	176199	30.000	ug/l	-0.01
57) Chlorobenzene-d5	10.055	117	152578	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	69184	27.646	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.167%		
60) 4-Bromofluorobenzene	11.079	95	84816	29.497	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.333%		
63) Toluene-d8	8.647	98	247579	29.924	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.733%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42937	20.460	ug/l	98
3) Chloromethane	1.294	50	41940	19.164	ug/l	98
4) Vinyl Chloride	1.374	62	45328	18.279	ug/l	96
5) Bromomethane	1.611	94	18304	17.915	ug/l	98
6) Chloroethane	1.691	64	23628	17.792	ug/l	94
7) Trichlorofluoromethane	1.886	101	61966	19.713	ug/l	97
8) Diethyl Ether	2.136	74	24578	18.383	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	42215	19.945	ug/l	98
10) 1,1-Dichloroethene	2.319	96	40960	18.952	ug/l	95
11) Methyl Iodide	2.453	142	24609	18.195	ug/l	91
12) Methyl Acetate	2.709	43	63071	17.919	ug/l	93
13) Acrolein	2.239	56	25597	61.904	ug/l	98
14) Acrylonitrile	3.069	53	135181	89.236	ug/l	98
15) Acetone	2.392	58	41713	101.370	ug/l	86
16) Carbon Disulfide	2.514	76	116885	20.718	ug/l	100
17) Allyl chloride	2.666	41	71846	18.864	ug/l	93
18) Methylene Chloride	2.788	84	47316	18.792	ug/l	93
19) trans-1,2-Dichloroethene	3.093	96	44177	18.836	ug/l	90
20) Diisopropyl ether	3.757	45	136140	17.843	ug/l	98
21) 1,1-Dichloroethane	3.611	63	77086	18.767	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	52645	18.904	ug/l	95
23) tert-Butyl Alcohol	2.983	59	50578	72.881	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	129440	18.565	ug/l	97
25) Chloroform	5.093	83	76762	18.752	ug/l	98
26) Cyclohexane	5.471	56	72969	19.174	ug/l #	91
29) 1,1-Dichloropropene	5.696	75	57005	18.912	ug/l	96
30) 2-Butanone	4.562	43	188493	92.649	ug/l	99
31) 2,2-Dichloropropane	4.471	77	57655	20.013	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	64957	20.042	ug/l	100
33) Carbon Tetrachloride	5.684	117	58161	21.366	ug/l	95
34) Benzene	6.037	78	183308	18.924	ug/l	96
35) Methacrylonitrile	4.928	41	38546	18.718	ug/l	89
36) 1,2-Dichloroethane	6.086	62	54945	18.634	ug/l	96
37) Trichloroethene	7.123	130	50608	19.536	ug/l	98
38) Methylcyclohexane	7.379	83	75810	19.383	ug/l	97
39) 1,2-Dichloropropane	7.428	63	46770	18.968	ug/l	98
40) Dibromomethane	7.580	93	32554	19.478	ug/l	94
41) Bromodichloromethane	7.824	83	61444	20.580	ug/l	97
42) Vinyl Acetate	3.721	43	589985	90.681	ug/l	98

07/12/2022
 Supervised By :Mahesh
 Padoda

07/12/2022

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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)
43) Ethyl Acetate	4.715	43	68939	17.989	ug/l	98
44) Isopropyl Acetate	6.336	43	105442	18.111	ug/l	99
45) 1,4-Dioxane	7.690	88	24344	356.199	ug/l	95
46) Methyl methacrylate	7.690	41	49507	17.944	ug/l	97
47) n-amyl Acetate	10.842	43	84762	16.948	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	64248	19.473	ug/l	94
49) cis-1,3-Dichloropropene	8.366	75	72348	19.527	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	47061	19.006	ug/l	96
51) Ethyl methacrylate	9.116	69	69537	18.047	ug/l	99
52) 1,3-Dichloropropane	9.305	76	75815	19.035	ug/l	99
53) Dibromochloromethane	9.519	129	50878	22.200	ug/l	99
54) 1,2-Dibromoethane	9.610	107	49676	19.319	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	174829	88.020	ug/l	96
56) Bromoform	10.799	173	37652	23.469	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	349729	92.796	ug/l	99
59) 2-Hexanone	9.427	43	267368	91.722	ug/l	97
61) Tetrachloroethene	9.275	164	48946	21.365	ug/l	95
62) Toluene	8.720	91	198473	19.555	ug/l	97
64) Chlorobenzene	10.079	112	122622	20.230	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	45349	21.455	ug/l	95
66) Ethyl Benzene	10.195	91	214130	19.853	ug/l	99
67) m/p-Xylenes	10.299	106	169445	40.485	ug/l	96
68) o-Xylene	10.640	106	82317	19.750	ug/l	99
69) Styrene	10.659	104	137461	19.930	ug/l	97
70) Isopropylbenzene	10.963	105	210317	20.042	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	72833	19.086	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	59810m	17.436	ug/l	
73) Bromobenzene	11.195	156	52773	20.972	ug/l	100
74) n-propylbenzene	11.305	91	256901	20.408	ug/l	98
75) 2-Chlorotoluene	11.366	91	147161	19.852	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	174798	19.840	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	25920	21.969	ug/l	80
78) 4-Chlorotoluene	11.457	91	165397	19.880	ug/l	97
79) tert-butylbenzene	11.713	119	167316	19.521	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	174077	19.219	ug/l	96
81) sec-Butylbenzene	11.890	105	226095	19.488	ug/l	100
82) p-Isopropyltoluene	12.012	119	180851	19.363	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	96021	19.723	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	101489	20.555	ug/l	96
85) n-Butylbenzene	12.335	91	165751	18.911	ug/l	97
86) Hexachloroethane	12.542	117	34788	22.418	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	94790	19.717	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15909	18.281	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	60248	20.241	ug/l	97
90) Hexachlorobutadiene	13.725	225	24029	21.286	ug/l	96
91) Naphthalene	13.774	128	228462	19.256	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	64134	21.153	ug/l	98

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

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