

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029992.D
 Acq On : 11 Jul 2022 12:56
 Operator : JC/MD
 Sample : VX0711WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 01:23:30 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	28728	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	153255	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138066	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63330	27.035	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.100%#		
60) 4-Bromofluorobenzene	11.079	95	75581	29.048	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.833%		
63) Toluene-d8	8.647	98	220253	29.420	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.067%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	38104	19.397	ug/l	97
3) Chloromethane	1.288	50	37075	18.098	ug/l	99
4) Vinyl Chloride	1.374	62	41009	17.667	ug/l	99
5) Bromomethane	1.612	94	17882	18.698	ug/l	96
6) Chloroethane	1.685	64	22561	18.149	ug/l	100
7) Trichlorofluoromethane	1.886	101	56096	19.064	ug/l	96
8) Diethyl Ether	2.136	74	23476	18.758	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	37578	18.967	ug/l	96
10) 1,1-Dichloroethene	2.319	96	37573	18.572	ug/l	93
11) Methyl Iodide	2.453	142	28707	20.483	ug/l	85
12) Methyl Acetate	2.703	43	59557	18.076	ug/l	95
13) Acrolein	2.240	56	35396	91.448	ug/l	98
14) Acrylonitrile	3.069	53	134959	95.174	ug/l	96
15) Acetone	2.386	58	36799	95.536	ug/l	83
16) Carbon Disulfide	2.508	76	102451	19.399	ug/l	100
17) Allyl chloride	2.660	41	63795	17.894	ug/l	91
18) Methylene Chloride	2.788	84	44785	19.001	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	39481	17.984	ug/l	93
20) Diisopropyl ether	3.764	45	126684	17.738	ug/l	87
21) 1,1-Dichloroethane	3.611	63	70321	18.289	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	48581	18.636	ug/l	97
23) tert-Butyl Alcohol	2.977	59	52109	80.215	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	123320	18.895	ug/l	98
25) Chloroform	5.093	83	70788	18.473	ug/l	95
26) Cyclohexane	5.471	56	64036	17.976	ug/l #	93
29) 1,1-Dichloropropene	5.696	75	52886	20.172	ug/l	98
30) 2-Butanone	4.562	43	179316	101.333	ug/l	99
31) 2,2-Dichloropropane	4.483	77	50057	19.977	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	58110	20.614	ug/l	98
33) Carbon Tetrachloride	5.678	117	51461	21.735	ug/l	97
34) Benzene	6.044	78	168054	19.947	ug/l #	94
35) Methacrylonitrile	4.922	41	35994	20.095	ug/l	92
36) 1,2-Dichloroethane	6.092	62	51611	20.124	ug/l	96
37) Trichloroethene	7.123	130	46555	20.662	ug/l	98
38) Methylcyclohexane	7.385	83	69688	20.486	ug/l	94
39) 1,2-Dichloropropane	7.428	63	43282	20.181	ug/l	99
40) Dibromomethane	7.580	93	30341	20.871	ug/l	95
41) Bromodichloromethane	7.824	83	55897	21.525	ug/l	96
42) Vinyl Acetate	3.721	43	566454	100.098	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029992.D
 Acq On : 11 Jul 2022 12:56
 Operator : JC/MD
 Sample : VX0711WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBS02

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 01:23:30 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)
43) Ethyl Acetate	4.721	43	67962	20.389	ug/l	98
44) Isopropyl Acetate	6.342	43	102131	20.169	ug/l	99
45) 1,4-Dioxane	7.678	88	24067	404.866	ug/l	96
46) Methyl methacrylate	7.696	41	48540	20.228	ug/l	92
47) n-amyl Acetate	10.842	43	81143	18.653	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	59200	20.629	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	67201	20.853	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	46201	21.452	ug/l	95
51) Ethyl methacrylate	9.116	69	67773	20.222	ug/l	95
52) 1,3-Dichloropropane	9.311	76	70923	20.472	ug/l	98
53) Dibromochloromethane	9.525	129	46142	23.147	ug/l	100
54) 1,2-Dibromoethane	9.610	107	46391	20.743	ug/l	98
55) 2-Chloroethyl vinyl ether	8.245	63	173048	100.166	ug/l	96
56) Bromoform	10.799	173	34598	24.794	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	341237	100.059	ug/l	99
59) 2-Hexanone	9.433	43	266270	100.946	ug/l	99
61) Tetrachloroethene	9.275	164	43396	20.934	ug/l	97
62) Toluene	8.720	91	180737	19.679	ug/l	97
64) Chlorobenzene	10.080	112	110427	20.133	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	40010	20.919	ug/l	95
66) Ethyl Benzene	10.195	91	196381	20.121	ug/l	99
67) m/p-Xylenes	10.305	106	156153	41.230	ug/l	94
68) o-Xylene	10.640	106	76389	20.254	ug/l	96
69) Styrene	10.659	104	126669	20.296	ug/l	97
70) Isopropylbenzene	10.964	105	191058	20.120	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	69593	20.154	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	62629m	20.177	ug/l	
73) Bromobenzene	11.201	156	47578	20.895	ug/l	98
74) n-propylbenzene	11.305	91	230094	20.200	ug/l	99
75) 2-Chlorotoluene	11.366	91	133637	19.922	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	160768	20.165	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	22277	20.866	ug/l	83
78) 4-Chlorotoluene	11.457	91	149741	19.890	ug/l	96
79) tert-butylbenzene	11.720	119	152550	19.669	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	157001	19.155	ug/l	97
81) sec-Butylbenzene	11.890	105	205181	19.544	ug/l	100
82) p-Isopropyltoluene	12.012	119	167707	19.843	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	90363	20.512	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	89215	19.968	ug/l	98
85) n-Butylbenzene	12.335	91	146885	18.520	ug/l	97
86) Hexachloroethane	12.543	117	30009	21.371	ug/l	93
87) 1,2-Dichlorobenzene	12.335	146	88101	20.252	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15995	20.311	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	55032	20.432	ug/l	100
90) Hexachlorobutadiene	13.725	225	22153	21.687	ug/l	97
91) Naphthalene	13.774	128	216972	20.210	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	55768	20.327	ug/l	98

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

