

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080224\
 Data File : VX042853.D
 Acq On : 02 Aug 2024 19:41
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

Quant Time: Aug 03 06:25:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080224W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 02 21:32:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	14613m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	89208	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83121	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	40972	28.575	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.267%	
60) 4-Bromofluorobenzene	11.079	95	41942	30.251	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	100.833%	
63) Toluene-d8	8.653	98	109372	29.832	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.433%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	18523	17.485	ug/l	94
3) Chloromethane	1.300	50	11263	15.544	ug/l	98
4) Vinyl Chloride	1.373	62	12915	17.389	ug/l	98
5) Bromomethane	1.611	94	7796	18.799	ug/l	90
6) Chloroethane	1.690	64	7776	17.583	ug/l	89
7) Trichlorofluoromethane	1.892	101	25237	18.600	ug/l	97
8) Diethyl Ether	2.135	74	8783	17.570	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	17166	17.202	ug/l	90
10) 1,1-Dichloroethene	2.318	96	16714	18.818	ug/l	91
11) Methyl Iodide	2.452	142	15141	17.178	ug/l	91
12) Methyl Acetate	2.709	43	34435m	20.189	ug/l	
13) Acrolein	2.239	56	4131	64.615	ug/l	94
14) Acrylonitrile	3.068	53	52671	90.221	ug/l	98
15) Acetone	2.385	58	15400	76.919	ug/l	93
16) Carbon Disulfide	2.513	76	31818	17.076	ug/l	99
17) Allyl chloride	2.666	41	23176	18.235	ug/l	73
18) Methylene Chloride	2.788	84	22230	19.526	ug/l	90
19) trans-1,2-Dichloroethene	3.093	96	17127	18.127	ug/l	98
20) Diisopropyl ether	3.769	45	51622	18.679	ug/l #	91
21) 1,1-Dichloroethane	3.617	63	32292	18.073	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	22765	18.849	ug/l	98
23) tert-Butyl Alcohol	2.971	59	24784	86.114	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	61928	18.111	ug/l	96
25) Chloroform	5.098	83	39161	19.372	ug/l	100
26) Cyclohexane	5.476	56	23074	17.488	ug/l #	89
29) 1,1-Dichloropropene	5.702	75	22934	18.569	ug/l	96
30) 2-Butanone	4.562	43	73125	88.534	ug/l	95
31) 2,2-Dichloropropane	4.483	77	23036	14.666	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	34577	19.221	ug/l	99
33) Carbon Tetrachloride	5.684	117	28806	19.073	ug/l	98
34) Benzene	6.043	78	73055	19.123	ug/l	98
35) Methacrylonitrile	4.922	41	13831	18.033	ug/l	99
36) 1,2-Dichloroethane	6.092	62	28516	18.681	ug/l #	90
37) Trichloroethene	7.128	130	19060	19.370	ug/l	90
38) Methylcyclohexane	7.378	83	26311	17.961	ug/l	94
39) 1,2-Dichloropropane	7.433	63	17145	18.558	ug/l #	87
40) Dibromomethane	7.586	93	14501	19.080	ug/l	84
41) Bromodichloromethane	7.823	83	28977	19.372	ug/l	98
42) Vinyl Acetate	3.727	43	206970	88.345	ug/l	97

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2024
 Supervised By :Semsettin Yesilyurt 08/05/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.726	43	25317	18.428	ug/l	97
44) Isopropyl Acetate	6.348	43	41015	18.601	ug/l	99
45) 1,4-Dioxane	7.659	88	9957	381.644	ug/l #	95
46) Methyl methacrylate	7.695	41	20105	18.831	ug/l	93
47) n-amyl Acetate	10.841	43	33650	18.592	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	26031	18.093	ug/l	94
49) cis-1,3-Dichloropropene	8.366	75	28385	18.401	ug/l	95
50) 1,1,2-Trichloroethane	9.152	97	20264	19.863	ug/l	97
51) Ethyl methacrylate	9.116	69	30297	18.801	ug/l	90
52) 1,3-Dichloropropane	9.311	76	32677	19.266	ug/l	98
53) Dibromochloromethane	9.524	129	23129	20.152	ug/l	96
54) 1,2-Dibromoethane	9.610	107	20925	19.526	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	74301	100.890	ug/l	99
56) Bromoform	10.799	173	14809	19.154	ug/l #	97
58) 4-Methyl-2-Pentanone	8.573	43	139937	95.530	ug/l	97
59) 2-Hexanone	9.433	43	108231	92.854	ug/l	99
61) Tetrachloroethene	9.274	164	18166	20.901	ug/l	89
62) Toluene	8.720	91	85123	20.263	ug/l	98
64) Chlorobenzene	10.079	112	54470	19.488	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	20427	20.449	ug/l	93
66) Ethyl Benzene	10.195	91	91143	19.402	ug/l	99
67) m/p-Xylenes	10.305	106	70991	39.117	ug/l	92
68) o-Xylene	10.640	106	35484	20.042	ug/l	96
69) Styrene	10.652	104	60518	20.132	ug/l	95
70) Isopropylbenzene	10.963	105	92923	20.011	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	31292	19.442	ug/l	99
72) 1,2,3-Trichloropropane	11.237	75	25462m	18.335	ug/l	
73) Bromobenzene	11.201	156	22715	20.225	ug/l	86
74) n-propylbenzene	11.305	91	106227	19.856	ug/l	96
75) 2-Chlorotoluene	11.366	91	65512	19.655	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	77780	19.822	ug/l	95
77) t-1,4-Dichloro-2-butene	11.018	75	8270	16.988	ug/l	90
78) 4-Chlorotoluene	11.457	91	76266	19.986	ug/l	96
79) tert-butylbenzene	11.713	119	76073	19.324	ug/l	89
80) 1,2,4-Trimethylbenzene	11.750	105	78910	20.213	ug/l	94
81) sec-Butylbenzene	11.890	105	95213	19.395	ug/l	96
82) p-Isopropyltoluene	12.012	119	80550	19.758	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	42298	20.177	ug/l	96
84) 1,4-Dichlorobenzene	12.042	146	43617	20.621	ug/l	94
85) n-Butylbenzene	12.335	91	69446	19.581	ug/l	98
86) Hexachloroethane	12.536	117	13438	18.524	ug/l	70
87) 1,2-Dichlorobenzene	12.335	146	42060	20.360	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7529	18.445	ug/l #	74
89) 1,2,4-Trichlorobenzene	13.591	180	25901	20.423	ug/l	94
90) Hexachlorobutadiene	13.725	225	9888	18.491	ug/l	98
91) Naphthalene	13.774	128	93817	19.920	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	26904	20.607	ug/l	95

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

