

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042556.D
 Acq On : 25 Jul 2024 10:16
 Operator : JC/MD
 Sample : VX0726WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/26/2024
 Supervised By : Mahesh Dadoda 07/26/2024

Quant Time: Jul 26 01:32:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	21498	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	119965	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	111123	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46326	30.083	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.267%			
60) 4-Bromofluorobenzene	11.079	95	51215	29.622	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.733%			
63) Toluene-d8	8.647	98	145656	30.174	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26574	20.622	ug/l	100
3) Chloromethane	1.301	50	22650	16.810	ug/l	99
4) Vinyl Chloride	1.374	62	20992	15.682	ug/l	99
5) Bromomethane	1.599	94	12721	18.931	ug/l	98
6) Chloroethane	1.666	64	11268	19.532	ug/l	96
7) Trichlorofluoromethane	1.874	101	31920	19.059	ug/l	98
8) Diethyl Ether	2.136	74	12805	18.231	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	25667	19.678	ug/l	99
10) 1,1-Dichloroethene	2.306	96	22678	18.092	ug/l	99
11) Methyl Iodide	2.447	142	25379	17.908	ug/l	98
12) Methyl Acetate	2.709	43	43904	21.311	ug/l	95
13) Acrolein	2.239	56	14880	57.497	ug/l	94
14) Acrylonitrile	3.069	53	73206	94.624	ug/l	97
15) Acetone	2.386	58	21230	92.255	ug/l	99
16) Carbon Disulfide	2.502	76	40879	16.498	ug/l	100
17) Allyl chloride	2.660	41	36926	18.515	ug/l	94
18) Methylene Chloride	2.788	84	26876	18.774	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	24254	19.156	ug/l	92
20) Diisopropyl ether	3.764	45	77654	18.477	ug/l	96
21) 1,1-Dichloroethane	3.605	63	45496	19.070	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	30561	19.275	ug/l	99
23) tert-Butyl Alcohol	2.989	59	29738	100.862	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	81689	19.525	ug/l	99
25) Chloroform	5.086	83	48542	19.686	ug/l	98
26) Cyclohexane	5.464	56	35182	17.806	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	29658	18.959	ug/l	98
30) 2-Butanone	4.562	43	103397	98.999	ug/l	99
31) 2,2-Dichloropropane	4.465	77	37212	20.692	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	41388	20.483	ug/l	99
33) Carbon Tetrachloride	5.672	117	36218	20.525	ug/l	99
34) Benzene	6.031	78	100403	19.547	ug/l	100
35) Methacrylonitrile	4.928	41	19967	19.373	ug/l	98
36) 1,2-Dichloroethane	6.086	62	33371	20.031	ug/l	99
37) Trichloroethene	7.129	130	28505	20.636	ug/l	91
38) Methylcyclohexane	7.379	83	38352	19.066	ug/l	99
39) 1,2-Dichloropropane	7.428	63	24666	19.535	ug/l	97
40) Dibromomethane	7.580	93	18064	19.820	ug/l	97
41) Bromodichloromethane	7.824	83	34329	20.082	ug/l	94
42) Vinyl Acetate	3.721	43	319408	94.525	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	35624	19.219	ug/l	99
44) Isopropyl Acetate	6.342	43	55603	19.096	ug/l	98
45) 1,4-Dioxane	7.665	88	12786	391.960	ug/l #	88
46) Methyl methacrylate	7.696	41	26882	18.944	ug/l	98
47) n-amyl Acetate	10.842	43	46460	17.958	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	32577	19.116	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	37794	19.731	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	27126	20.295	ug/l	98
51) Ethyl methacrylate	9.116	69	39455	18.876	ug/l	99
52) 1,3-Dichloropropane	9.305	76	43656	20.107	ug/l	98
53) Dibromochloromethane	9.519	129	29534	20.107	ug/l	98
54) 1,2-Dibromoethane	9.610	107	28399	20.430	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	86080	84.965	ug/l	99
56) Bromoform	10.799	173	23181	19.584	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	191804	97.938	ug/l	99
59) 2-Hexanone	9.433	43	150435	98.072	ug/l	99
61) Tetrachloroethene	9.269	164	29354	21.775	ug/l	95
62) Toluene	8.714	91	110316	19.857	ug/l	100
64) Chlorobenzene	10.079	112	76394	20.377	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	27222	20.178	ug/l	100
66) Ethyl Benzene	10.195	91	120508	19.904	ug/l	98
67) m/p-Xylenes	10.299	106	96783	39.984	ug/l	100
68) o-Xylene	10.640	106	47772	19.831	ug/l	100
69) Styrene	10.653	104	80335	19.828	ug/l	98
70) Isopropylbenzene	10.963	105	125778	20.479	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	42208	19.970	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	38185m	22.754	ug/l	
73) Bromobenzene	11.195	156	36078	20.554	ug/l	97
74) n-propylbenzene	11.305	91	136656	20.140	ug/l	100
75) 2-Chlorotoluene	11.366	91	86384	20.244	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	105827	20.624	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	11191	18.182	ug/l	94
78) 4-Chlorotoluene	11.451	91	95443	20.079	ug/l	100
79) tert-butylbenzene	11.713	119	112155	20.475	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	105298	20.394	ug/l	97
81) sec-Butylbenzene	11.890	105	132087	20.407	ug/l	99
82) p-Isopropyltoluene	12.006	119	113505	20.237	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	63606	20.174	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	63381	20.239	ug/l	100
85) n-Butylbenzene	12.329	91	85612	19.435	ug/l	99
86) Hexachloroethane	12.536	117	18123	19.002	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	64039	20.096	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8407	19.416	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	42485	19.693	ug/l	99
90) Hexachlorobutadiene	13.725	225	22871	21.362	ug/l	99
91) Naphthalene	13.774	128	125771	19.550	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	45064	20.279	ug/l	98

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

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