

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072324\
 Data File : VX042463.D
 Acq On : 23 Jul 2024 11:31
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2024
 Supervised By : Mahesh Dadoda 07/24/2024

Quant Time: Jul 23 15:09:31 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	4.903	128	29866	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	168284	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154664	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63184	29.535	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.433%		
60) 4-Bromofluorobenzene	11.079	95	72406	30.089	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.300%		
63) Toluene-d8	8.647	98	204629	30.457	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.533%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34357	19.192	ug/l	100
3) Chloromethane	1.300	50	33368	17.826	ug/l	97
4) Vinyl Chloride	1.374	62	30649	16.482	ug/l	98
5) Bromomethane	1.599	94	15709	16.828	ug/l	95
6) Chloroethane	1.660	64	17338	21.633	ug/l	98
7) Trichlorofluoromethane	1.867	101	43269	18.597	ug/l	98
8) Diethyl Ether	2.136	74	19849	20.341	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	29694	16.387	ug/l	98
10) 1,1-Dichloroethene	2.306	96	27411	15.741	ug/l	97
11) Methyl Iodide	2.447	142	33035	16.779	ug/l	99
12) Methyl Acetate	2.709	43	60450	21.121	ug/l	99
13) Acrolein	2.239	56	17489	48.644	ug/l	99
14) Acrylonitrile	3.068	53	104912	97.611	ug/l	97
15) Acetone	2.392	58	24437	76.438	ug/l	96
16) Carbon Disulfide	2.501	76	50279	14.606	ug/l	99
17) Allyl chloride	2.660	41	48190	17.392	ug/l	95
18) Methylene Chloride	2.788	84	36846	18.527	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	32979	18.749	ug/l	98
20) Diisopropyl ether	3.763	45	115592	19.798	ug/l	96
21) 1,1-Dichloroethane	3.605	63	64376	19.423	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	41490	18.836	ug/l	97
23) tert-Butyl Alcohol	2.989	59	41520	101.366	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	110862	19.074	ug/l	99
25) Chloroform	5.092	83	66672	19.463	ug/l	99
26) Cyclohexane	5.464	56	51090	18.612	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	41783	19.041	ug/l	98
30) 2-Butanone	4.562	43	146900	100.266	ug/l	99
31) 2,2-Dichloropropane	4.471	77	48686	19.299	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	55819	19.693	ug/l	99
33) Carbon Tetrachloride	5.672	117	46891	18.943	ug/l	97
34) Benzene	6.031	78	142026	19.711	ug/l	100
35) Methacrylonitrile	4.928	41	30134	20.843	ug/l	95
36) 1,2-Dichloroethane	6.086	62	47353	20.263	ug/l	98
37) Trichloroethene	7.123	130	37937	19.578	ug/l	98
38) Methylcyclohexane	7.379	83	54880	19.449	ug/l	100
39) 1,2-Dichloropropane	7.427	63	34315	19.373	ug/l	99
40) Dibromomethane	7.580	93	25373	19.846	ug/l	98
41) Bromodichloromethane	7.824	83	46472	19.380	ug/l	99
42) Vinyl Acetate	3.721	43	467888	98.709	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	49164	18.908	ug/l	97
44) Isopropyl Acetate	6.342	43	79826	19.544	ug/l	98
45) 1,4-Dioxane	7.671	88	17058	372.775	ug/l	97
46) Methyl methacrylate	7.696	41	39516	19.852	ug/l	98
47) n-amyl Acetate	10.841	43	69551	19.164	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	45032	18.837	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	51446	19.147	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	37455	19.976	ug/l	99
51) Ethyl methacrylate	9.116	69	56683	19.332	ug/l	97
52) 1,3-Dichloropropane	9.305	76	60375	19.823	ug/l	98
53) Dibromochloromethane	9.518	129	39602	19.220	ug/l	99
54) 1,2-Dibromoethane	9.610	107	38524	19.756	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	140876	99.125	ug/l	99
56) Bromoform	10.799	173	30342	18.273	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	285856	104.871	ug/l	98
59) 2-Hexanone	9.433	43	216113	101.226	ug/l	99
61) Tetrachloroethene	9.275	164	37560	20.018	ug/l	97
62) Toluene	8.714	91	154325	19.958	ug/l	100
64) Chlorobenzene	10.079	112	101988	19.545	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	36928	19.667	ug/l	97
66) Ethyl Benzene	10.195	91	166510	19.760	ug/l	100
67) m/p-Xylenes	10.299	106	133865	39.735	ug/l	99
68) o-Xylene	10.640	106	65769	19.616	ug/l	100
69) Styrene	10.652	104	110464	19.589	ug/l	99
70) Isopropylbenzene	10.963	105	171761	20.092	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	58525	19.895	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	46186m	19.774	ug/l	
73) Bromobenzene	11.195	156	48403	19.813	ug/l	99
74) n-propylbenzene	11.305	91	189402	20.056	ug/l	98
75) 2-Chlorotoluene	11.366	91	120030	20.210	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	143275	20.061	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	14960	17.463	ug/l	92
78) 4-Chlorotoluene	11.451	91	130883	19.783	ug/l	100
79) tert-butylbenzene	11.713	119	150516	19.742	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	141488	19.689	ug/l	97
81) sec-Butylbenzene	11.890	105	177516	19.705	ug/l	100
82) p-Isopropyltoluene	12.006	119	153389	19.649	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	85361	19.452	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	85374	19.587	ug/l	99
85) n-Butylbenzene	12.329	91	119051	19.417	ug/l	100
86) Hexachloroethane	12.536	117	23799	17.929	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	85620	19.304	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11552	19.169	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	56046	18.665	ug/l	99
90) Hexachlorobutadiene	13.725	225	28532	19.147	ug/l	97
91) Naphthalene	13.774	128	170520	19.044	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	58704	18.980	ug/l	98

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

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