

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042066.D
 Acq On : 27 Jun 2024 11:36
 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 :John
 Carlone

Quant Time: Jun 28 03:59:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

07/01/2024
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.898	128	33697	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	186551	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	173399	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63689	27.456	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.533%
60) 4-Bromofluorobenzene	11.079	95	81801	30.476	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.600%
63) Toluene-d8	8.647	98	218074	29.395	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	35942	16.477	ug/l	93
3) Chloromethane	1.301	50	38359	15.732	ug/l	99
4) Vinyl Chloride	1.374	62	38241	16.037	ug/l	100
5) Bromomethane	1.593	94	17639	13.838	ug/l	99
6) Chloroethane	1.666	64	19911	19.544	ug/l	98
7) Trichlorofluoromethane	1.868	101	52448	17.465	ug/l	99
8) Diethyl Ether	2.136	74	21981	16.913	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	35218	17.251	ug/l	99
10) 1,1-Dichloroethene	2.307	96	34322	16.666	ug/l	96
11) Methyl Iodide	2.441	142	38711	14.443	ug/l	98
12) Methyl Acetate	2.709	43	48530	18.484	ug/l	97
13) Acrolein	2.240	56	33947	64.123	ug/l	99
14) Acrylonitrile	3.069	53	109950	88.230	ug/l	99
15) Acetone	2.392	58	29405	82.485	ug/l	96
16) Carbon Disulfide	2.502	76	73105	16.198	ug/l	99
17) Allyl chloride	2.654	41	53959	17.252	ug/l	98
18) Methylene Chloride	2.782	84	39671	16.795	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	35062	16.996	ug/l	97
20) Diisopropyl ether	3.764	45	110591	17.203	ug/l	96
21) 1,1-Dichloroethane	3.605	63	63201	17.211	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	42790	17.135	ug/l	99
23) tert-Butyl Alcohol	2.995	59	40840	88.148	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	114144	17.918	ug/l	96
25) Chloroform	5.087	83	64754	17.351	ug/l	94
26) Cyclohexane	5.458	56	54687	17.146	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	43808	17.992	ug/l	97
30) 2-Butanone	4.568	43	145199	89.250	ug/l	98
31) 2,2-Dichloropropane	4.465	77	41319	15.488	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	54912	17.792	ug/l	100
33) Carbon Tetrachloride	5.666	117	47539	17.859	ug/l	98
34) Benzene	6.032	78	144869	17.861	ug/l	99
35) Methacrylonitrile	4.922	41	30014	18.368	ug/l	93
36) 1,2-Dichloroethane	6.086	62	45518	18.014	ug/l	99
37) Trichloroethene	7.123	130	39816	17.972	ug/l	95
38) Methylcyclohexane	7.379	83	57629	17.869	ug/l	97
39) 1,2-Dichloropropane	7.428	63	34253	17.729	ug/l	95
40) Dibromomethane	7.580	93	25768	18.029	ug/l	97
41) Bromodichloromethane	7.818	83	46018	17.972	ug/l	100
42) Vinyl Acetate	3.721	43	483655	88.817	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	54132	17.746	ug/l	100
44) Isopropyl Acetate	6.349	43	82294	18.012	ug/l	100
45) 1,4-Dioxane	7.665	88	18760	336.857	ug/l #	88
46) Methyl methacrylate	7.696	41	39871	17.848	ug/l	99
47) n-amyl Acetate	10.842	43	72588	17.703	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44939	17.046	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	51423	17.389	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	38973	18.753	ug/l	97
51) Ethyl methacrylate	9.116	69	59932	18.154	ug/l	99
52) 1,3-Dichloropropane	9.305	76	62152	18.293	ug/l	99
53) Dibromochloromethane	9.519	129	41731	18.349	ug/l	98
54) 1,2-Dibromoethane	9.610	107	40627	18.538	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	151293	98.456	ug/l	99
56) Bromoform	10.799	173	32741	17.655	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	285869	92.003	ug/l	99
59) 2-Hexanone	9.433	43	219915	91.699	ug/l	99
61) Tetrachloroethene	9.275	164	40808	18.703	ug/l	95
62) Toluene	8.714	91	162222	18.488	ug/l	100
64) Chlorobenzene	10.080	112	109725	18.363	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	37735	18.286	ug/l	99
66) Ethyl Benzene	10.195	91	175795	18.325	ug/l	100
67) m/p-Xylenes	10.299	106	144664	37.491	ug/l	97
68) o-Xylene	10.640	106	71041	18.466	ug/l	100
69) Styrene	10.653	104	118611	18.450	ug/l	100
70) Isopropylbenzene	10.964	105	183532	18.974	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.214	83	61252	18.297	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	47855m	17.649	ug/l	
73) Bromobenzene	11.195	156	52685	18.673	ug/l	96
74) n-propylbenzene	11.305	91	198940	18.722	ug/l	100
75) 2-Chlorotoluene	11.366	91	125809	18.646	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	152034	18.761	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15592	15.544	ug/l	95
78) 4-Chlorotoluene	11.451	91	138768	18.514	ug/l	99
79) tert-butylbenzene	11.713	119	163305	18.985	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	151333	18.692	ug/l	100
81) sec-Butylbenzene	11.890	105	189774	18.915	ug/l	100
82) p-Isopropyltoluene	12.006	119	166230	18.907	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	92815	18.450	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	93318	18.635	ug/l	99
85) n-Butylbenzene	12.335	91	122100	17.959	ug/l	99
86) Hexachloroethane	12.536	117	25777	17.953	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	94569	18.588	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11824	17.076	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	61555	17.873	ug/l	99
90) Hexachlorobutadiene	13.725	225	31708	18.684	ug/l	99
91) Naphthalene	13.774	128	193728	18.617	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	65329	18.316	ug/l	99

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

