

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041551.D
 Acq On : 16 May 2024 09:50
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Quant Time: May 17 02:35:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	31946	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	179505	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	169309	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	75469	29.999	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.000%	
60) 4-Bromofluorobenzene	11.079	95	80424	30.429	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.433%	
63) Toluene-d8	8.647	98	218084	30.049	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.167%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	33138	19.832	ug/l	99
3) Chloromethane	1.294	50	33118	18.100	ug/l	99
4) Vinyl Chloride	1.374	62	35595	18.477	ug/l	97
5) Bromomethane	1.599	94	22620	18.461	ug/l	94
6) Chloroethane	1.666	64	20255	20.796	ug/l	100
7) Trichlorofluoromethane	1.868	101	57333	19.607	ug/l	95
8) Diethyl Ether	2.136	74	21013	19.243	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	36271	21.390	ug/l	98
10) 1,1-Dichloroethene	2.306	96	34374	21.031	ug/l	97
11) Methyl Iodide	2.447	142	42074	21.613	ug/l	98
12) Methyl Acetate	2.703	43	48573	19.732	ug/l	94
13) Acrolein	2.239	56	34391	114.762	ug/l	99
14) Acrylonitrile	3.069	53	99630	92.057	ug/l	99
15) Acetone	2.386	58	33109	114.180	ug/l	97
16) Carbon Disulfide	2.502	76	71172	19.286	ug/l	99
17) Allyl chloride	2.660	41	56790	19.579	ug/l	98
18) Methylene Chloride	2.782	84	37557	19.320	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	34954	18.650	ug/l	92
20) Diisopropyl ether	3.764	45	115520	18.956	ug/l	93
21) 1,1-Dichloroethane	3.605	63	64898	18.974	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	42401	18.618	ug/l	97
23) tert-Butyl Alcohol	2.995	59	41843	91.106	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	112428	18.425	ug/l	98
25) Chloroform	5.080	83	68467	18.791	ug/l	98
26) Cyclohexane	5.464	56	53999	18.932	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	46021	19.381	ug/l	100
30) 2-Butanone	4.562	43	153627	97.473	ug/l	99
31) 2,2-Dichloropropane	4.465	77	53614	19.238	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	59743	18.751	ug/l	98
33) Carbon Tetrachloride	5.666	117	51917	19.044	ug/l	95
34) Benzene	6.031	78	143719	19.165	ug/l	97
35) Methacrylonitrile	4.922	41	30260	19.033	ug/l	99
36) 1,2-Dichloroethane	6.080	62	53842	19.240	ug/l	99
37) Trichloroethene	7.123	130	38801	18.570	ug/l	99
38) Methylcyclohexane	7.373	83	58900	19.536	ug/l	99
39) 1,2-Dichloropropane	7.428	63	33788	19.060	ug/l	99
40) Dibromomethane	7.580	93	26864	19.255	ug/l	96
41) Bromodichloromethane	7.818	83	48630	18.566	ug/l	100
42) Vinyl Acetate	3.721	43	518983	94.907	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	56431	18.556	ug/l	99
44) Isopropyl Acetate	6.342	43	85236	18.542	ug/l	99
45) 1,4-Dioxane	7.665	88	20169m	389.039	ug/l	
46) Methyl methacrylate	7.690	41	42865	18.741	ug/l	97
47) n-amyl Acetate	10.842	43	76523	18.357	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	47237	17.958	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	53801	18.884	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	36541	18.827	ug/l	93
51) Ethyl methacrylate	9.116	69	57752	18.487	ug/l	96
52) 1,3-Dichloropropane	9.305	76	61220	19.089	ug/l	100
53) Dibromochloromethane	9.519	129	41253	18.681	ug/l	99
54) 1,2-Dibromoethane	9.610	107	39649	19.265	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	133621	87.630	ug/l	99
56) Bromoform	10.799	173	32044	18.112	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	292918	94.687	ug/l	99
59) 2-Hexanone	9.433	43	235173	95.426	ug/l	99
61) Tetrachloroethene	9.269	164	38242	18.461	ug/l	92
62) Toluene	8.714	91	160660	19.070	ug/l	99
64) Chlorobenzene	10.079	112	106951	18.690	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	37488	18.509	ug/l	98
66) Ethyl Benzene	10.189	91	176833	18.903	ug/l	98
67) m/p-Xylenes	10.299	106	141244	38.611	ug/l	98
68) o-Xylene	10.640	106	69305	18.821	ug/l	99
69) Styrene	10.653	104	115479	18.704	ug/l	99
70) Isopropylbenzene	10.963	105	181181	19.472	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	60605	18.960	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	56065m	19.449	ug/l	
73) Bromobenzene	11.195	156	50587	18.503	ug/l	98
74) n-propylbenzene	11.305	91	203555	19.401	ug/l	100
75) 2-Chlorotoluene	11.366	91	126603	19.215	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	151957	19.133	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	16365	18.062	ug/l	94
78) 4-Chlorotoluene	11.451	91	142718	19.018	ug/l	99
79) tert-butylbenzene	11.713	119	159648	18.887	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	154238	19.376	ug/l	98
81) sec-Butylbenzene	11.890	105	192825	19.522	ug/l	100
82) p-Isopropyltoluene	12.006	119	167560	19.379	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	93510	19.071	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	93132	18.798	ug/l	99
85) n-Butylbenzene	12.329	91	133121	19.133	ug/l	100
86) Hexachloroethane	12.536	117	26198	17.997	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	93610	18.705	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	13064	18.610	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	63493	18.882	ug/l	100
90) Hexachlorobutadiene	13.725	225	32176	19.613	ug/l	98
91) Naphthalene	13.774	128	187263	18.632	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	66193	19.267	ug/l	100

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

