

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041552.D
 Acq On : 16 May 2024 10:21
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Quant Time: May 17 02:36:14 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	27422	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	147114	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	135945	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	63410	29.364	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.867%
60) 4-Bromofluorobenzene	11.079	95	65454	30.843	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.800%
63) Toluene-d8	8.647	98	173996	29.858	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25768	17.966	ug/l	100
3) Chloromethane	1.295	50	25423	16.187	ug/l	100
4) Vinyl Chloride	1.374	62	25498	15.420	ug/l	100
5) Bromomethane	1.599	94	18112	17.221	ug/l	98
6) Chloroethane	1.666	64	15452	18.482	ug/l	93
7) Trichlorofluoromethane	1.868	101	45723	18.216	ug/l	97
8) Diethyl Ether	2.136	74	17504	18.674	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	28807	19.791	ug/l	99
10) 1,1-Dichloroethene	2.307	96	26289	18.738	ug/l	96
11) Methyl Iodide	2.441	142	32927	19.705	ug/l	98
12) Methyl Acetate	2.703	43	41757	19.762	ug/l	96
13) Acrolein	2.239	56	27244	105.911	ug/l	99
14) Acrylonitrile	3.069	53	87969	94.692	ug/l	97
15) Acetone	2.386	58	26158	105.091	ug/l	97
16) Carbon Disulfide	2.502	76	55490	17.518	ug/l	99
17) Allyl chloride	2.654	41	45616	18.321	ug/l	99
18) Methylene Chloride	2.782	84	31583	18.927	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	27673	17.201	ug/l	98
20) Diisopropyl ether	3.757	45	95287	18.215	ug/l	92
21) 1,1-Dichloroethane	3.605	63	51406	17.509	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	34637	17.718	ug/l	97
23) tert-Butyl Alcohol	3.002	59	38058	96.536	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	95930	18.315	ug/l	99
25) Chloroform	5.087	83	55202	17.649	ug/l	98
26) Cyclohexane	5.458	56	43449	17.747	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	35937	18.467	ug/l	99
30) 2-Butanone	4.562	43	130964	101.389	ug/l	100
31) 2,2-Dichloropropane	4.465	77	41464	18.155	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	47514	18.196	ug/l	99
33) Carbon Tetrachloride	5.672	117	40362	18.065	ug/l	98
34) Benzene	6.031	78	113897	18.532	ug/l	99
35) Methacrylonitrile	4.928	41	25984	19.942	ug/l	96
36) 1,2-Dichloroethane	6.080	62	45149	19.686	ug/l	100
37) Trichloroethene	7.123	130	31238	18.242	ug/l	96
38) Methylcyclohexane	7.373	83	46266	18.724	ug/l	97
39) 1,2-Dichloropropane	7.428	63	27667	19.044	ug/l	97
40) Dibromomethane	7.580	93	22109	19.336	ug/l	98
41) Bromodichloromethane	7.818	83	39827	18.553	ug/l	99
42) Vinyl Acetate	3.721	43	436491	97.396	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	50991	20.459	ug/l	98
44) Isopropyl Acetate	6.342	43	73454	19.497	ug/l	100
45) 1,4-Dioxane	7.665	88	17656m	415.550	ug/l	
46) Methyl methacrylate	7.696	41	36431	19.435	ug/l	99
47) n-amyl Acetate	10.842	43	63428	18.565	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	38355	17.792	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	43552	18.652	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	30581	19.226	ug/l	94
51) Ethyl methacrylate	9.116	69	47551	18.573	ug/l	98
52) 1,3-Dichloropropane	9.305	76	50389	19.171	ug/l	99
53) Dibromochloromethane	9.519	129	33399	18.454	ug/l	99
54) 1,2-Dibromoethane	9.610	107	32963	19.542	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	114768	91.838	ug/l	100
56) Bromoform	10.799	173	26176	18.053	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	253417	102.023	ug/l	99
59) 2-Hexanone	9.433	43	197465	99.790	ug/l	99
61) Tetrachloroethene	9.269	164	31448	18.908	ug/l	97
62) Toluene	8.714	91	127360	18.828	ug/l	98
64) Chlorobenzene	10.079	112	86727	18.875	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	30551	18.786	ug/l	98
66) Ethyl Benzene	10.195	91	140783	18.743	ug/l	99
67) m/p-Xylenes	10.299	106	111573	37.986	ug/l	99
68) o-Xylene	10.640	106	55423	18.745	ug/l	100
69) Styrene	10.653	104	91282	18.413	ug/l	98
70) Isopropylbenzene	10.964	105	143212	19.169	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	51091	19.907	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	48059m	20.764	ug/l	
73) Bromobenzene	11.195	156	41027	18.689	ug/l	99
74) n-propylbenzene	11.305	91	157817	18.733	ug/l	99
75) 2-Chlorotoluene	11.366	91	101062	19.103	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	120312	18.867	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	13187	18.127	ug/l	100
78) 4-Chlorotoluene	11.451	91	112328	18.642	ug/l	99
79) tert-butylbenzene	11.713	119	128098	18.874	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	120905	18.916	ug/l	99
81) sec-Butylbenzene	11.890	105	149456	18.845	ug/l	100
82) p-Isopropyltoluene	12.006	119	129145	18.602	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	73877	18.765	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	74152	18.640	ug/l	100
85) n-Butylbenzene	12.329	91	101177	18.111	ug/l	99
86) Hexachloroethane	12.536	117	20366	17.424	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	75045	18.675	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	10976	19.473	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	49963	18.505	ug/l	98
90) Hexachlorobutadiene	13.725	225	24934	18.929	ug/l	99
91) Naphthalene	13.774	128	154984	19.205	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	52721	19.111	ug/l	99

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

