

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043011.D
 Acq On : 13 Aug 2024 13:37
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081324

Quant Time: Aug 14 04:30:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	30752	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	189146	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	168690	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	71072	28.551	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.167%
60) 4-Bromofluorobenzene	11.079	95	84339	29.451	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.167%
63) Toluene-d8	8.647	98	235218	30.354	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33255	18.974	ug/l	99
3) Chloromethane	1.294	50	50617	19.201	ug/l	98
4) Vinyl Chloride	1.374	62	47223	19.088	ug/l	98
5) Bromomethane	1.593	94	12770	19.830	ug/l	96
6) Chloroethane	1.666	64	15400	23.577	ug/l	98
7) Trichlorofluoromethane	1.874	101	48761	21.044	ug/l	96
8) Diethyl Ether	2.136	74	21489	19.529	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	39042	19.048	ug/l	95
10) 1,1-Dichloroethene	2.306	96	41599	19.630	ug/l	94
11) Methyl Iodide	2.441	142	39645	16.884	ug/l	92
12) Methyl Acetate	2.703	43	72495	18.937	ug/l	98
13) Acrolein	2.239	56	55406	87.991	ug/l	90
14) Acrylonitrile	3.068	53	137475	94.233	ug/l	98
15) Acetone	2.386	58	40952	100.983	ug/l	79
16) Carbon Disulfide	2.502	76	119355	19.056	ug/l	100
17) Allyl chloride	2.654	41	81836	19.642	ug/l	94
18) Methylene Chloride	2.782	84	47181	19.228	ug/l	95
19) trans-1,2-Dichloroethene	3.081	96	43080	19.353	ug/l	97
20) Diisopropyl ether	3.757	45	155010	19.035	ug/l	89
21) 1,1-Dichloroethane	3.605	63	80213	18.432	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	51518	19.316	ug/l	96
23) tert-Butyl Alcohol	2.983	59	59363	93.789	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	136956	18.310	ug/l	98
25) Chloroform	5.080	83	75198	18.572	ug/l	98
26) Cyclohexane	5.458	56	75097	18.788	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	53475	18.381	ug/l	99
30) 2-Butanone	4.556	43	196727	94.577	ug/l	99
31) 2,2-Dichloropropane	4.465	77	66779	18.516	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	64082	18.298	ug/l	98
33) Carbon Tetrachloride	5.666	117	52822	18.439	ug/l	99
34) Benzene	6.031	78	178839	18.571	ug/l	99
35) Methacrylonitrile	4.916	41	40277	18.575	ug/l	98
36) 1,2-Dichloroethane	6.080	62	51956	17.487	ug/l #	95
37) Trichloroethene	7.123	130	40612	18.741	ug/l	98
38) Methylcyclohexane	7.373	83	77173	19.363	ug/l	98
39) 1,2-Dichloropropane	7.427	63	43615	18.273	ug/l	95
40) Dibromomethane	7.580	93	30227	18.823	ug/l	97
41) Bromodichloromethane	7.818	83	58760	18.335	ug/l	96
42) Vinyl Acetate	3.715	43	929770	98.385	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043011.D
 Acq On : 13 Aug 2024 13:37
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081324

Quant Time: Aug 14 04:30:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	76319	19.182	ug/l	97
44) Isopropyl Acetate	6.336	43	120333	18.564	ug/l	97
45) 1,4-Dioxane	7.665	88	19706	314.928	ug/l	96
46) Methyl methacrylate	7.690	41	55381	18.087	ug/l	94
47) n-amyl Acetate	10.841	43	104266	18.219	ug/l	95
48) t-1,3-Dichloropropene	8.976	75	66180	18.610	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	72198	18.603	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	41236	18.639	ug/l	97
51) Ethyl methacrylate	9.116	69	77469	18.438	ug/l	96
52) 1,3-Dichloropropane	9.305	76	73586	18.957	ug/l	100
53) Dibromochloromethane	9.519	129	44638	18.577	ug/l	99
54) 1,2-Dibromoethane	9.610	107	43545	18.964	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	166564	86.528	ug/l	100
56) Bromoform	10.799	173	31052	18.498	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	377357	96.733	ug/l	99
59) 2-Hexanone	9.427	43	294896	96.825	ug/l	99
61) Tetrachloroethene	9.269	164	34294	19.273	ug/l	96
62) Toluene	8.714	91	186269	19.330	ug/l	99
64) Chlorobenzene	10.079	112	113387	19.188	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	37863	18.866	ug/l	98
66) Ethyl Benzene	10.189	91	201378	19.230	ug/l	98
67) m/p-Xylenes	10.299	106	155878	39.804	ug/l	95
68) o-Xylene	10.640	106	76858	19.403	ug/l	97
69) Styrene	10.653	104	127715	19.348	ug/l	97
70) Isopropylbenzene	10.963	105	191105	19.448	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	68987	18.949	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	56482m	18.127	ug/l	
73) Bromobenzene	11.195	156	42869	18.993	ug/l	90
74) n-propylbenzene	11.305	91	223522	19.274	ug/l	99
75) 2-Chlorotoluene	11.366	91	135915	18.947	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	156848	19.569	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	26143	17.972	ug/l	89
78) 4-Chlorotoluene	11.451	91	152380	19.566	ug/l	98
79) tert-butylbenzene	11.713	119	161583	19.793	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	156609	19.166	ug/l	96
81) sec-Butylbenzene	11.890	105	201338	19.525	ug/l	100
82) p-Isopropyltoluene	12.006	119	161817	19.392	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	81471	19.591	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	77778	18.677	ug/l	96
85) n-Butylbenzene	12.329	91	143301	19.288	ug/l	99
86) Hexachloroethane	12.536	117	32108	18.397	ug/l	90
87) 1,2-Dichlorobenzene	12.335	146	80460	19.455	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	14629	17.285	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	46106	18.840	ug/l	98
90) Hexachlorobutadiene	13.725	225	17751	19.459	ug/l	95
91) Naphthalene	13.774	128	178992	18.716	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	47320	18.955	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
Data File : VX043011.D
Acq On : 13 Aug 2024 13:37
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081324

Quant Time: Aug 14 04:30:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 13 13:22:56 2024
Response via : Initial Calibration

