

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031405.D
 Acq On : 16 Sep 2022 12:53
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091622

Quant Time: Sep 16 13:17:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X091622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 16 12:41:56 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.00
2 M	Dichlorodifluoromethane	1.625	1.653	-1.7	98	0.00
3 M	Chloromethane	2.240	2.318	-3.5	97	0.00
4 M	Vinyl Chloride	2.596	2.670	-2.9	96	0.00
5 M	Bromomethane	3.439	4.155	-20.8	125	0.00
6 M	Chloroethane	3.062	2.599	15.1	80	0.00
7 M	Trichlorofluoromethane	6.323	5.960	5.7	93	0.00
8 T	Diethyl Ether	2.108	2.042	3.1	99	0.00
9	1,1,2-Trichlorotrifluoroeth	2.154	2.029	5.8	92	0.00
10 M	1,1-Dichloroethene	2.016	1.872	7.1	91	0.00
11	Methyl Iodide	2.323	1.851	20.3	85	0.00
12	Methyl Acetate	3.102	3.046	1.8	97	0.00
13 M	Acrolein	0.412	0.395	4.1	98	0.00
14 M	Acrylonitrile	1.265	1.191	5.8	94	0.00
15 M	Acetone	0.354	0.352	0.6	90	0.00
16 M	Carbon Disulfide	5.204	5.083	2.3	98	0.00
17	Allyl chloride	3.268	3.154	3.5	96	0.00
18 M	Methylene Chloride	2.332	2.276	2.4	93	0.00
19 M	trans-1,2-Dichloroethene	2.372	2.240	5.6	96	0.00
20 T	Diisopropyl ether	7.675	6.913	9.9	93	0.00
21 M	1,1-Dichloroethane	4.045	3.869	4.4	93	0.00
22 M	cis-1,2-Dichloroethene	2.701	2.539	6.0	93	0.00
23 M	tert-Butyl Alcohol	0.652	0.627	3.8	101	0.00
24 M	Methyl tert-Butyl Ether	7.639	7.010	8.2	93	0.00
25 M	Chloroform	4.614	4.271	7.4	95	0.00
26	Cyclohexane	3.653	3.412	6.6	94	0.00
27 s	1,2-Dichloroethane-d4	2.703	2.730	-1.0	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.604	0.544	9.9	92	0.00
30 M	2-Butanone	0.341	0.319	6.5	94	0.00
31	2,2-Dichloropropane	0.675	0.617	8.6	94	0.00
32 M	1,1,1-Trichloroethane	0.747	0.662	11.4	94	0.00
33 M	Carbon Tetrachloride	0.660	0.588	10.9	95	0.00
34 M	Benzene	1.777	1.600	10.0	94	0.00
35	Methacrylonitrile	0.341	0.316	7.3	98	0.00
36 M	1,2-Dichloroethane	0.671	0.583	13.1	95	0.00
37 M	Trichloroethene	0.481	0.434	9.8	91	0.00
38	Methylcyclohexane	0.706	0.668	5.4	97	0.00
39 M	1,2-Dichloropropane	0.426	0.383	10.1	91	0.00
40	Dibromomethane	0.330	0.301	8.8	94	0.00
41 M	Bromodichloromethane	0.647	0.566	12.5	93	0.00
42 M	Vinyl Acetate	1.222	1.076	11.9	93	0.00
43	Ethyl Acetate	0.668	0.608	9.0	94	0.00
44	Isopropyl Acetate	1.110	0.991	10.7	94	0.00
45 T	1,4-Dioxane	0.012	0.011	8.3	89	0.00
46	Methyl methacrylate	0.497	0.440	11.5	96	0.00
47	n-amyl Acetate	0.990	0.847	14.4	93	0.00
48 M	t-1,3-Dichloropropene	0.737	0.610	17.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031405.D
 Acq On : 16 Sep 2022 12:53
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091622

Quant Time: Sep 16 13:17:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X091622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 16 12:41:56 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.750	0.649	13.5	93	0.00
50 M	1,1,2-Trichloroethane	0.499	0.422	15.4	96	0.00
51	Ethyl methacrylate	0.745	0.632	15.2	96	0.00
52	1,3-Dichloropropane	0.810	0.704	13.1	93	0.00
53 M	Dibromochloromethane	0.556	0.444	20.1	95	0.00
54 M	1,2-Dibromoethane	0.550	0.441	19.8	93	0.00
55 M	2-Chloroethyl vinyl ether	0.383	0.327	14.6	97	0.00
56 M	Bromoform	0.417	0.312	25.2#	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
58 M	4-Methyl-2-Pentanone	0.719	0.690	4.0	95	0.00
59 M	2-Hexanone	0.550	0.525	4.5	93	0.00
60 S	4-Bromofluorobenzene	0.605	0.535	11.6	100	0.00
61 M	Tetrachloroethene	0.487	0.466	4.3	97	0.00
62 M	Toluene	2.170	1.973	9.1	96	0.00
63 S	Toluene-d8	1.642	1.618	1.5	105	0.00
64 M	Chlorobenzene	1.349	1.202	10.9	94	0.00
65	1,1,1,2-Tetrachloroethane	0.496	0.448	9.7	94	0.00
66 M	Ethyl Benzene	2.414	2.183	9.6	95	0.00
67 M	m/p-Xylenes	1.023	0.864	15.5	96	0.00
68 M	o-Xylene	0.975	0.847	13.1	95	0.00
69 M	Styrene	1.663	1.357	18.4	95	0.00
70	Isopropylbenzene	2.598	2.175	16.3	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.806	0.705	12.5	93	0.00
72	1,2,3-Trichloropropane	0.740	0.578	21.9	99	0.00
73	Bromobenzene	0.626	0.525	16.1	94	0.00
74	n-propylbenzene	3.024	2.629	13.1	96	0.00
75	2-Chlorotoluene	1.771	1.494	15.6	96	0.00
76	1,3,5-Trimethylbenzene	2.301	1.845	19.8	94	0.00
77	t-1,4-Dichloro-2-butene	0.250	0.197	21.2	93	0.00
78	4-Chlorotoluene	2.115	1.744	17.5	98	0.00
79	tert-butylbenzene	2.176	1.800	17.3	97	0.00
80	1,2,4-Trimethylbenzene	2.231	1.787	19.9	94	0.00
81	sec-Butylbenzene	2.763	2.305	16.6	96	0.00
82	p-Isopropyltoluene	2.359	1.890	19.9	94	0.00
83 M	1,3-Dichlorobenzene	1.239	1.029	16.9	97	0.00
84 M	1,4-Dichlorobenzene	1.273	1.013	20.4	93	0.00
85	n-Butylbenzene	1.982	1.677	15.4	96	0.00
86 T	Hexachloroethane	0.396	0.322	18.7	93	0.00
87 M	1,2-Dichlorobenzene	1.231	0.997	19.0	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.172	0.145	15.7	94	0.00
89	1,2,4-Trichlorobenzene	0.676	0.601	11.1	95	0.00
90	Hexachlorobutadiene	0.248	0.225	9.3	91	0.00
91 M	Naphthalene	2.437	2.139	12.2	95	0.00
92	1,2,3-Trichlorobenzene	0.678	0.596	12.1	96	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0