

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043009.D
 Acq On : 13 Aug 2024 11:58
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 13 13:13:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:10:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	27869	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	175993	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158150	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	70018	27.936	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.133%
60) 4-Bromofluorobenzene	11.079	95	81710	31.546	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.167%
63) Toluene-d8	8.647	98	216595	30.205	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	259827	160.510	ug/l	99
3) Chloromethane	1.294	50	381214	226.016	ug/l	100
4) Vinyl Chloride	1.374	62	365807	212.276	ug/l	99
5) Bromomethane	1.599	94	94280	105.341	ug/l	99
6) Chloroethane	1.660	64	90296	102.748	ug/l	99
7) Trichlorofluoromethane	1.861	101	319724	131.313	ug/l	99
8) Diethyl Ether	2.136	74	153649	153.194	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	295123	167.812	ug/l	94
10) 1,1-Dichloroethene	2.306	96	308033	178.798	ug/l	99
11) Methyl Iodide	2.441	142	339327	202.486	ug/l	92
12) Methyl Acetate	2.709	43	543567	154.134	ug/l	96
13) Acrolein	2.239	56	449452	2309.738	ug/l	92
14) Acrylonitrile	3.075	53	1033653	901.469	ug/l	99
15) Acetone	2.398	58	282584	769.600	ug/l	81
16) Carbon Disulfide	2.502	76	904759	233.813	ug/l	99
17) Allyl chloride	2.660	41	560588	193.563	ug/l	91
18) Methylene Chloride	2.788	84	352897	176.137	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	320798	184.620	ug/l	98
20) Diisopropyl ether	3.770	45	1123203	181.874	ug/l	88
21) 1,1-Dichloroethane	3.605	63	628173	183.014	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	393408	179.671	ug/l	99
23) tert-Butyl Alcohol	3.014	59	464865	882.755	ug/l	100
24) Methyl tert-Butyl Ether	3.123	73	1084786	176.104	ug/l	98
25) Chloroform	5.093	83	601808	166.709	ug/l	96
26) Cyclohexane	5.464	56	583140	206.423	ug/l #	94
29) 1,1-Dichloropropene	5.690	75	431856	184.509	ug/l	98
30) 2-Butanone	4.568	43	1467212	852.345	ug/l	99
31) 2,2-Dichloropropane	4.471	77	513618	184.966	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	516300	163.866	ug/l	98
33) Carbon Tetrachloride	5.672	117	425685	159.924	ug/l	98
34) Benzene	6.037	78	1389765	183.624	ug/l	99
35) Methacrylonitrile	4.928	41	325801	197.049	ug/l	98
36) 1,2-Dichloroethane	6.086	62	443041	165.569	ug/l	96
37) Trichloroethene	7.123	130	316902	169.738	ug/l	99
38) Methylcyclohexane	7.379	83	587041	196.754	ug/l	97
39) 1,2-Dichloropropane	7.427	63	352802	184.014	ug/l	96
40) Dibromomethane	7.580	93	233931	166.448	ug/l	95
41) Bromodichloromethane	7.824	83	469354	168.038	ug/l	100
42) Vinyl Acetate	3.727	43	6312772	1106.130	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043009.D
 Acq On : 13 Aug 2024 11:58
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 13 13:13:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:10:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	582498	197.969	ug/l	98
44) Isopropyl Acetate	6.348	43	951515	198.527	ug/l	96
45) 1,4-Dioxane	7.665	88	179003	3652.897	ug/l	97
46) Methyl methacrylate	7.696	41	447618	191.852	ug/l	96
47) n-amyl Acetate	10.842	43	829739	200.308	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	529553	191.833	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	567806	189.305	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	315005	164.024	ug/l	98
51) Ethyl methacrylate	9.116	69	607410	185.592	ug/l	97
52) 1,3-Dichloropropane	9.311	76	553565	172.844	ug/l	100
53) Dibromochloromethane	9.525	129	348718	157.629	ug/l	99
54) 1,2-Dibromoethane	9.610	107	326895	163.441	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	1289968	851.721	ug/l	100
56) Bromoform	10.799	173	243633	154.217	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	2651959	854.658	ug/l	99
59) 2-Hexanone	9.433	43	2064152	839.165	ug/l	98
61) Tetrachloroethene	9.275	164	247687	156.721	ug/l	98
62) Toluene	8.720	91	1363388	170.792	ug/l	97
64) Chlorobenzene	10.079	112	848385	167.987	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	286230	158.741	ug/l	98
66) Ethyl Benzene	10.195	91	1490662	168.972	ug/l	97
67) m/p-Xylenes	10.299	106	1075362	322.469	ug/l	97
68) o-Xylene	10.640	106	546191	165.699	ug/l	99
69) Styrene	10.653	104	925313	163.676	ug/l	98
70) Isopropylbenzene	10.963	105	1367230	159.708	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	518164	166.966	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	432959m	154.932	ug/l	
73) Bromobenzene	11.201	156	322042	150.575	ug/l	86
74) n-propylbenzene	11.305	91	1659794	165.950	ug/l	100
75) 2-Chlorotoluene	11.366	91	1021889	166.117	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	1106454	152.618	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	215170	220.381	ug/l	93
78) 4-Chlorotoluene	11.457	91	1102740	157.800	ug/l	98
79) tert-butylbenzene	11.713	119	1134784	152.908	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	1155588	160.910	ug/l	98
81) sec-Butylbenzene	11.890	105	1466021	161.533	ug/l	100
82) p-Isopropyltoluene	12.006	119	1196407	158.230	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	609929	155.774	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	609013	154.759	ug/l	97
85) n-Butylbenzene	12.329	91	1102509	162.980	ug/l	97
86) Hexachloroethane	12.536	117	257226	182.223	ug/l	86
87) 1,2-Dichlorobenzene	12.335	146	580039	147.676	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.939	75	129250	183.166	ug/l	93
89) 1,2,4-Trichlorobenzene	13.585	180	382991	154.071	ug/l	96
90) Hexachlorobutadiene	13.725	225	136114	129.316	ug/l	96
91) Naphthalene	13.774	128	1440652	166.047	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	379834	151.124	ug/l	97

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

