

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052824\
 Data File : VU059043.D
 Acq On : 28 May 2024 20:35
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050164

Quant Time: May 29 02:46:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 02:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	198983	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	193370	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	89469	42.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.020%
7) Chloroethane-d5	1.872	69	78975	45.154	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.300%
11) 1,1-Dichloroethene-d2	2.547	63	141548	44.023	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.040%
21) 2-Butanone-d5	4.615	46	150648	104.211	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.210%
24) Chloroform-d	5.052	84	160201	44.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.760%
26) 1,2-Dichloroethane-d4	5.689	65	103944	47.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
32) Benzene-d6	5.714	84	320814	48.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
36) 1,2-Dichloropropane-d6	6.679	67	109004	50.061	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.120%
41) Toluene-d8	7.891	98	277401	46.945	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
43) trans-1,3-Dichloroprop...	8.174	79	45121	46.149	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.300%
47) 2-Hexanone-d5	8.631	63	96480	107.134	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.130%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	169402	51.714	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.420%
66) 1,2-Dichlorobenzene-d4	12.187	152	98242	48.833	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	50557	37.976	ug/L	99
3) Chloromethane	1.515	50	61418	43.053	ug/L	99
5) Vinyl chloride	1.599	62	64703	38.841	ug/L	99
6) Bromomethane	1.824	94	50286	50.928	ug/L	95
8) Chloroethane	1.891	64	50740	44.414	ug/L	96
9) Trichlorofluoromethane	2.110	101	94449	41.685	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	59074	38.354	ug/L	98
12) 1,1-Dichloroethene	2.560	96	48137	39.050	ug/L	87
13) Acetone	2.621	43	101446	79.593	ug/L	99
14) Carbon disulfide	2.772	76	80618	34.761	ug/L	100
15) Methyl Acetate	2.936	43	107834	52.499	ug/L	96
16) Methylene chloride	3.030	84	74886	38.084	ug/L	94
17) trans-1,2-Dichloroethene	3.335	96	48479	39.147	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	236915	48.333	ug/L	98
19) 1,1-Dichloroethane	3.853	63	145043	45.977	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	70217	42.836	ug/L	93
22) 2-Butanone	4.692	43	158554	95.497	ug/L	95
23) Bromochloromethane	4.962	128	35046	41.013	ug/L	87
25) Chloroform	5.075	83	146762	44.063	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	117189	46.095	ug/L	99
29) Cyclohexane	5.377	56	78604	47.758	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	108537	46.766	ug/L	99
31) Carbon tetrachloride	5.512	117	80339	42.857	ug/L	99
33) Benzene	5.763	78	281727	48.462	ug/L	100
34) Trichloroethene	6.534	95	64635	41.891	ug/L	98
35) Methylcyclohexane	6.753	83	73982	40.909	ug/L	91
37) 1,2-Dichloropropane	6.782	63	93233	49.347	ug/L	100
38) Bromodichloromethane	7.097	83	107107	45.616	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	117519	45.157	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	315599	117.179	ug/L	96
42) Toluene	7.962	91	285514	45.818	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	116017	47.093	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	88740	47.575	ug/L	98
46) Tetrachloroethene	8.547	164	40090	38.969	ug/L	98
48) 2-Hexanone	8.682	43	258671	116.643	ug/L	96
49) Dibromochloromethane	8.804	129	77472	43.463	ug/L	97
50) 1,2-Dibromoethane	8.917	107	81679	45.826	ug/L	96
51) Chlorobenzene	9.441	112	181026	43.951	ug/L	95
52) Ethylbenzene	9.563	91	307681	45.625	ug/L	100
53) m,p-Xylene	9.689	106	111338	45.963	ug/L	98
54) o-Xylene	10.094	106	114078	47.053	ug/L	99
55) Styrene	10.110	104	207548	47.924	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	180905	53.819	ug/L	96
59) Bromoform	10.287	173	61731	47.769	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	142860	57.577	ug/L	97
61) Isopropylbenzene	10.480	105	308097	49.484	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	244055	49.755	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	251841	50.910	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	146969	45.468	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	149426	45.769	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	159063	48.382	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	36044	53.698	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	95927	42.134	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	73958	37.715	ug/L	98
71) Naphthalene	14.084	128	224303	39.216	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	78310	38.987	ug/L	100

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

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