

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062724\
 Data File : VU059562.D
 Acq On : 27 Jun 2024 14:43
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050197

Quant Time: Jun 28 04:08:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 27 04:10:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	159652	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	162836	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	83865	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	40335	42.196	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.400%
7) Chloroethane-d5	1.907	69	38759	47.334	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.660%
11) 1,1-Dichloroethene-d2	2.563	63	76387	40.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.960%
21) 2-Butanone-d5	4.611	46	95324	105.798	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.800%
24) Chloroform-d	5.055	84	103721	54.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.020%
26) 1,2-Dichloroethane-d4	5.695	65	67204	57.620	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.240%
32) Benzene-d6	5.721	84	187208	50.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
36) 1,2-Dichloropropane-d6	6.685	67	65272	50.653	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.300%
41) Toluene-d8	7.894	98	169345	53.376	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.760%
43) trans-1,3-Dichloroprop...	8.174	79	29888	57.379	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.760%
47) 2-Hexanone-d5	8.627	63	63376	106.354	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.350%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	116363	53.355	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.720%
66) 1,2-Dichlorobenzene-d4	12.187	152	68245	54.528	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	52872	32.685	ug/L	100
3) Chloromethane	1.518	50	75232	40.241	ug/L	98
5) Vinyl chloride	1.602	62	72109	39.253	ug/L	99
6) Bromomethane	1.849	94	59863	40.731	ug/L	99
8) Chloroethane	1.930	64	50700	44.257	ug/L	100
9) Trichlorofluoromethane	2.132	101	87563	40.961	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	54011	43.425	ug/L	91
12) 1,1-Dichloroethene	2.573	96	52729	46.742	ug/L	85
13) Acetone	2.615	43	87354	82.484	ug/L	95
14) Carbon disulfide	2.788	76	148256	39.022	ug/L	100
15) Methyl Acetate	2.939	43	96329	57.423	ug/L	94
16) Methylene chloride	3.039	84	91128	59.702	ug/L	85
17) trans-1,2-Dichloroethene	3.348	96	60320	49.541	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	243531	61.574	ug/L	96
19) 1,1-Dichloroethane	3.859	63	130559	50.025	ug/L	95
20) cis-1,2-Dichloroethene	4.660	96	78414	56.515	ug/L	90
22) 2-Butanone	4.689	43	137663	107.368	ug/L	91
23) Bromochloromethane	4.965	128	48566	69.103	ug/L	# 82
25) Chloroform	5.081	83	143310	56.709	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	119126	55.801	ug/L	98
29) Cyclohexane	5.383	56	70228	32.304	ug/L	91
30) 1,1,1-Trichloroethane	5.306	97	98259	46.410	ug/L	96
31) Carbon tetrachloride	5.518	117	76583	44.532	ug/L	98
33) Benzene	5.769	78	290012	49.323	ug/L	100
34) Trichloroethene	6.537	95	69087	47.986	ug/L	93
35) Methylcyclohexane	6.759	83	77646	36.679	ug/L	93
37) 1,2-Dichloropropane	6.785	63	84665	50.708	ug/L	98
38) Bromodichloromethane	7.100	83	110879	57.011	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	118989	51.507	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	252509	115.358	ug/L #	95
42) Toluene	7.965	91	296764	50.281	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	115020	54.997	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	96763	64.457	ug/L	97
46) Tetrachloroethene	8.550	164	49845	51.976	ug/L	89
48) 2-Hexanone	8.676	43	200039	108.357	ug/L #	94
49) Dibromochloromethane	8.804	129	91352	67.335	ug/L	100
50) 1,2-Dibromoethane	8.917	107	98387	63.536	ug/L	97
51) Chlorobenzene	9.441	112	188378	52.882	ug/L	96
52) Ethylbenzene	9.566	91	278640	45.793	ug/L	97
53) m,p-Xylene	9.688	106	109028	48.754	ug/L	92
54) o-Xylene	10.097	106	108440	50.035	ug/L	94
55) Styrene	10.110	104	201071	54.581	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	165537	60.533	ug/L	99
59) Bromoform	10.283	173	76469	69.543	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	130539	55.973	ug/L	98
61) Isopropylbenzene	10.479	105	260133	44.089	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	184263	43.104	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	205187	44.277	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	142355	51.623	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	146188	51.331	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	153326	53.198	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	36424	61.606	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.216	180	92444	50.760	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	78638	54.063	ug/L	99
71) Naphthalene	14.084	128	257044	55.829	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	89137	60.277	ug/L	98

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

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