

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072524\
 Data File : VU060193.D
 Acq On : 25 Jul 2024 23:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: Jul 26 04:29:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 02:39:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237480	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	238020	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117309	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	83014	54.443	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.880%
7) Chloroethane-d5	1.904	69	65734	51.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.500%
11) 1,1-Dichloroethene-d2	2.563	63	126510	46.702	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.400%
21) 2-Butanone-d5	4.618	46	109089	102.947	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.950%
24) Chloroform-d	5.055	84	136396	46.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.380%
26) 1,2-Dichloroethane-d4	5.695	65	80471	45.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
32) Benzene-d6	5.721	84	274616	45.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
36) 1,2-Dichloropropane-d6	6.682	67	89771	47.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.180%
41) Toluene-d8	7.891	98	248724	42.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.820%
43) trans-1,3-Dichloroprop...	8.174	79	37036	41.957	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.920%
47) 2-Hexanone-d5	8.627	63	68513	86.180	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	135683	46.862	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.720%
66) 1,2-Dichlorobenzene-d4	12.187	152	87112	40.411	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	60172	40.798	ug/L	100
3) Chloromethane	1.518	50	74831	51.704	ug/L	98
5) Vinyl chloride	1.602	62	81906	48.209	ug/L	98
6) Bromomethane	1.849	94	49724	55.717	ug/L	99
8) Chloroethane	1.927	64	54737	49.487	ug/L	98
9) Trichlorofluoromethane	2.132	101	109750	46.399	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	69154	45.930	ug/L	96
12) 1,1-Dichloroethene	2.573	96	62465	44.361	ug/L	99
13) Acetone	2.628	43	84958	77.859	ug/L	99
14) Carbon disulfide	2.788	76	138581	38.994	ug/L	99
15) Methyl Acetate	2.943	43	94200	57.260	ug/L	93
16) Methylene chloride	3.039	84	84023	47.321	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	63562	43.847	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	220760	46.887	ug/L	98
19) 1,1-Dichloroethane	3.859	63	142530	51.840	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	79877	45.505	ug/L	94
22) 2-Butanone	4.698	43	128155	95.460	ug/L	95
23) Bromochloromethane	4.968	128	42017	45.380	ug/L	# 89
25) Chloroform	5.078	83	150975	51.029	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	106582	47.453	ug/L	99
29) Cyclohexane	5.380	56	91810	43.078	ug/L	91
30) 1,1,1-Trichloroethane	5.306	97	116247	47.144	ug/L	99
31) Carbon tetrachloride	5.515	117	96748	47.499	ug/L	98
33) Benzene	5.766	78	317225	49.354	ug/L	100
34) Trichloroethene	6.534	95	81007	47.228	ug/L	95
35) Methylcyclohexane	6.756	83	92198	38.921	ug/L	93
37) 1,2-Dichloropropane	6.782	63	94684	53.519	ug/L	99
38) Bromodichloromethane	7.097	83	113653	50.701	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	120360	44.466	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	247569	110.717	ug/L	98
42) Toluene	7.962	91	334771	47.710	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	113152	45.509	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	91228	49.238	ug/L	98
46) Tetrachloroethene	8.547	164	54360	38.525	ug/L	90
48) 2-Hexanone	8.679	43	204129	109.078	ug/L	98
49) Dibromochloromethane	8.801	129	86601	47.438	ug/L	97
50) 1,2-Dibromoethane	8.917	107	91924	47.452	ug/L	99
51) Chlorobenzene	9.441	112	207755	44.599	ug/L	97
52) Ethylbenzene	9.563	91	335751	44.807	ug/L	97
53) m,p-Xylene	9.688	106	125631	43.060	ug/L	98
54) o-Xylene	10.094	106	127295	45.372	ug/L	97
55) Styrene	10.110	104	227628	48.091	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	158659	50.778	ug/L	99
59) Bromoform	10.283	173	70783	49.903	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	124052	55.720	ug/L	97
61) Isopropylbenzene	10.479	105	325546	47.607	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	220337	44.015	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	235904	43.995	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	159063	44.852	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	158377	43.200	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	162160	45.264	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	32902	54.039	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	100717	39.390	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	85314	37.020	ug/L	99
71) Naphthalene	14.081	128	258995	38.889	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	90936	39.329	ug/L	99

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

