

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053447.D
 Acq On : 28 Mar 2023 20:35
 Operator : JC/MD
 Sample : 02037-08MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E9MSD

Quant Time: Mar 29 01:15:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	208362	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	197857	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	101610	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90575	47.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.912	69	73451	47.239	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.480%
11) 1,1-Dichloroethene-d2	2.568	63	148231	44.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.020%
21) 2-Butanone-d5	4.620	46	113207	126.978	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.980%
24) Chloroform-d	5.057	84	152575	48.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
26) 1,2-Dichloroethane-d4	5.697	65	99180	50.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
32) Benzene-d6	5.722	84	300814	46.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.740%
36) 1,2-Dichloropropane-d6	6.684	67	101410	48.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.920%
41) Toluene-d8	7.893	98	281988	47.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.172	79	48830	47.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.560%
47) 2-Hexanone-d5	8.629	63	67578	104.360	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141070	52.577	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	103517	52.615	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91082	41.879	ug/L	99
3) Chloromethane	1.520	50	97663	48.733	ug/L	97
5) Vinyl chloride	1.604	62	100442	45.817	ug/L	99
6) Bromomethane	1.858	94	57528	43.655	ug/L	97
8) Chloroethane	1.932	64	59685	46.091	ug/L	98
9) Trichlorofluoromethane	2.137	101	122571	44.811	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	73227	44.256	ug/L	96
12) 1,1-Dichloroethene	2.578	96	66938	43.745	ug/L	95
13) Acetone	2.633	43	74175	73.050	ug/L	92
14) Carbon disulfide	2.790	76	179042	38.631	ug/L	99
15) Methyl Acetate	2.944	43	80487	57.830	ug/L	94
16) Methylene chloride	3.044	84	77599	41.802	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	68692	44.243	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	236583	45.316	ug/L	97
19) 1,1-Dichloroethane	3.864	63	142280	44.893	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	80515	44.152	ug/L	100
22) 2-Butanone	4.700	43	122446	105.847	ug/L	90
23) Bromochloromethane	4.970	128	39274	45.168	ug/L	92
25) Chloroform	5.083	83	143557	45.266	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	112620	44.985	ug/L	100
29) Cyclohexane	5.385	56	122590	41.582	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	117750	43.661	ug/L	99
31) Carbon tetrachloride	5.520	117	95312	43.138	ug/L	100
33) Benzene	5.767	78	308190	44.929	ug/L	100
34) Trichloroethene	6.536	95	78863	44.093	ug/L	95
35) Methylcyclohexane	6.758	83	118873	37.916	ug/L	94
37) 1,2-Dichloropropane	6.787	63	88101	46.035	ug/L	100
38) Bromodichloromethane	7.099	83	102559	43.062	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	135592	43.124	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	242788	123.426	ug/L	93
42) Toluene	7.963	91	325215	44.100	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	124796	43.420	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	81034	46.501	ug/L	99
46) Tetrachloroethene	8.549	164	55161	47.404	ug/L	98
48) 2-Hexanone	8.677	43	187262	113.684	ug/L	94
49) Dibromochloromethane	8.806	129	75082	42.119	ug/L	96
50) 1,2-Dibromoethane	8.918	107	87696	47.229	ug/L	100
51) Chlorobenzene	9.443	112	207514	45.149	ug/L	99
52) Ethylbenzene	9.565	91	366416	43.815	ug/L	97
53) m,p-Xylene	9.690	106	133852	42.883	ug/L	99
54) o-Xylene	10.095	106	132202	42.824	ug/L	98
55) Styrene	10.108	104	226402	44.003	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	140899	49.316	ug/L	98
59) Bromoform	10.285	173	56381	48.759	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	106623	52.807	ug/L	98
61) Isopropylbenzene	10.478	105	353973	44.091	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	287203	43.218	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	280224	43.260	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	159475	47.364	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	162264	48.005	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	161306	47.932	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	27792	49.777	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	108211	50.691	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	101106	52.712	ug/L	98
71) Naphthalene	14.082	128	356351	55.120	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	102897	56.568	ug/L	99

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

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