

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053488.D
 Acq On : 31 Mar 2023 12:54
 Operator : JC/MD
 Sample : VSTD01012
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010012

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/03/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Apr 01 04:38:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:36:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	292633	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	271975	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	146825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	20622	7.839	ug/L	0.00
7) Chloroethane-d5	1.912	69	16319	7.735	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	32105	7.926	ug/L	0.00
21) 2-Butanone-d5	4.620	46	18832	17.914	ug/L	0.00
24) Chloroform-d	5.060	84	35280	8.135	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	20599	7.902	ug/L	0.00
32) Benzene-d6	5.723	84	68202	7.874	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	20354	7.628	ug/L	0.00
41) Toluene-d8	7.893	98	67182	7.916	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	10396	7.225	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	13325	16.054	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	29177	7.871	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	28584	8.913	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	23264	10.003	ug/L	99
3) Chloromethane	1.520	50	19539	9.255	ug/L	92
5) Vinyl chloride	1.604	62	22433	8.745	ug/L	99
6) Bromomethane	1.855	94	16156	9.050	ug/L	100
8) Chloroethane	1.932	64	13842	8.880	ug/L	99
9) Trichlorofluoromethane	2.138	101	34091	8.684	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	20035	9.846	ug/L	100
12) 1,1-Dichloroethene	2.578	96	17288	9.071	ug/L	93
13) Acetone	2.620	43	19410	20.293	ug/L	99
14) Carbon disulfide	2.790	76	44237	7.962	ug/L	98
15) Methyl Acetate	2.945	43	14572	10.248	ug/L	97
16) Methylene chloride	3.041	84	20513	9.003	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	17818	8.808	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	51428	8.287	ug/L	100
19) 1,1-Dichloroethane	3.864	63	29717	8.638	ug/L	95
20) cis-1,2-Dichloroethene	4.665	96	20509	8.980	ug/L	98
22) 2-Butanone	4.703	43	22256m	19.626	ug/L	
23) Bromochloromethane	4.973	128	11364	9.105	ug/L	93
25) Chloroform	5.083	83	33119	8.560	ug/L	95
27) 1,2-Dichloroethane	5.790	62	25313	9.166	ug/L	97
29) Cyclohexane	5.385	56	25513	8.209	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	29354	8.590	ug/L	99
31) Carbon tetrachloride	5.520	117	26570	8.859	ug/L	97
33) Benzene	5.768	78	72724	8.958	ug/L	100
34) Trichloroethene	6.539	95	21843	9.704	ug/L	98
35) Methylcyclohexane	6.758	83	31111	8.349	ug/L	99
37) 1,2-Dichloropropane	6.787	63	18002	8.718	ug/L #	93
38) Bromodichloromethane	7.102	83	23671	8.071	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	27375	7.790	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	40024	19.551	ug/L	95
42) Toluene	7.967	91	80415	8.738	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	26772	7.891	ug/L	99

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

45) 1,1,2-Trichloroethane	8.395	97	19490	9.043	ug/L	96
46) Tetrachloroethene	8.549	164	17970	9.997	ug/L	93
48) 2-Hexanone	8.681	43	30259	18.587	ug/L	96
49) Dibromochloromethane	8.806	129	19033	7.510	ug/L	96
50) 1,2-Dibromoethane	8.919	107	21916	9.295	ug/L #	93
51) Chlorobenzene	9.443	112	54983	9.200	ug/L	97
52) Ethylbenzene	9.565	91	87806	8.657	ug/L	99
53) m,p-Xylene	9.690	106	33501	8.384	ug/L	98
54) o-xylene	10.095	106	33733	8.513	ug/L	97
55) Styrene	10.112	104	52432	7.900	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	28979	8.754	ug/L	93
59) Bromoform	10.285	173	14218	7.697	ug/L	95
60) 1,2,3-Trichloropropane	10.819	75	21897	9.219	ug/L	97
61) Isopropylbenzene	10.478	105	85835	8.678	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	70008	8.104	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	69085	8.204	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	45588	10.019	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	46910	10.242	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	45569	9.938	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5481	7.768	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	32883	9.422	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	29587	9.416	ug/L	98
71) Naphthalene	14.082	128	86747	9.228	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	30324	9.823	ug/L	97

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

