

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102924\
 Data File : VU061270.D
 Acq On : 28 Oct 2024 17:32
 Operator : MD/SY
 Sample : VSTD00503
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005003

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/29/2024
 Supervised By :Semsettin Yesilyurt 10/29/2024

Quant Time: Oct 29 01:48:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 29 01:48:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	250437	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	230677	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	103845	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	8635	5.316	ug/L	0.00
7) Chloroethane-d5	1.904	69	7714	5.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	15755	5.395	ug/L	0.00
21) 2-Butanone-d5	4.634	46	12943	10.945	ug/L	0.03
24) Chloroform-d	5.055	84	17678	5.515	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	11182	5.762	ug/L	0.00
32) Benzene-d6	5.721	84	35982	5.847	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	10807	5.682	ug/L	0.00
41) Toluene-d8	7.894	98	31668	5.427	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4978	5.494	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	9495	11.277	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	16128	5.476	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	10982	5.547	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	7934	4.915	ug/L	97
3) Chloromethane	1.515	50	7770	4.958	ug/L	99
5) Vinyl chloride	1.599	62	7840	4.314	ug/L	100
6) Bromomethane	1.843	94	5907	5.721	ug/L	100
8) Chloroethane	1.923	64	5943	5.054	ug/L	95
9) Trichlorofluoromethane	2.132	101	11477	4.535	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6616	4.185	ug/L	90
12) 1,1-Dichloroethene	2.573	96	5937	3.984	ug/L	82
13) Acetone	2.621	43	11013	9.548	ug/L	96
14) Carbon disulfide	2.785	76	18620	4.770	ug/L	98
15) Methyl Acetate	2.949	43	7494	4.261	ug/L	95
16) Methylene chloride	3.036	84	8119	4.345	ug/L	88
17) trans-1,2-Dichloroethene	3.348	96	6487	4.204	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	23764	4.688	ug/L #	80
19) 1,1-Dichloroethane	3.859	63	12881	4.393	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	7743	4.152	ug/L	91
22) 2-Butanone	4.714	43	11819m	8.192	ug/L	
23) Bromochloromethane	4.968	128	4002	4.082	ug/L	95
27) 1,2-Dichloroethane	5.791	62	10574	4.371	ug/L	100
29) Cyclohexane	5.377	56	10619	4.823	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	10989	4.436	ug/L	96
31) Carbon tetrachloride	5.515	117	9572	4.646	ug/L	94
33) Benzene	5.769	78	28902	4.509	ug/L	100
34) Trichloroethene	6.537	95	7613	4.451	ug/L	97
35) Methylcyclohexane	6.756	83	11389	4.706	ug/L	97
37) 1,2-Dichloropropane	6.782	63	7943	4.553	ug/L #	89
38) Bromodichloromethane	7.100	83	9238	4.155	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	11830	4.380	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	20856	9.231	ug/L	94
42) Toluene	7.965	91	31111	4.463	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	10206	4.083	ug/L	95
45) 1,1,2-Trichloroethane	8.393	97	7651	4.205	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.547	164	5379	3.938	ug/L	89
48) 2-Hexanone	8.682	43	16272	8.628	ug/L	96
49) Dibromochloromethane	8.801	129	6881	3.821	ug/L	95
50) 1,2-Dibromoethane	8.920	107	8351	4.344	ug/L #	91
51) Chlorobenzene	9.441	112	19442	4.218	ug/L	99
52) Ethylbenzene	9.566	91	32030	4.277	ug/L	92
53) m,p-Xylene	9.688	106	11367	3.914	ug/L	96
54) o-Xylene	10.093	106	12092	4.309	ug/L	89
55) Styrene	10.113	104	17784	3.797	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	12531	4.052	ug/L	97
59) Bromoform	10.286	173	4684	3.701	ug/L #	94
60) 1,2,3-Trichloropropane	10.814	75	10531	5.118	ug/L	95
61) Isopropylbenzene	10.476	105	29442	4.667	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	23694	4.994	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	22454	4.521	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	13569	4.280	ug/L	90
65) 1,4-Dichlorobenzene	11.830	146	14097	4.300	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	13596	4.232	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	2236	3.951	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	8689	3.827	ug/L #	90
70) 1,2,4-trichlorobenzene	13.839	180	6411	3.140	ug/L	85
71) Naphthalene	14.093	128	19217m	3.222	ug/L	
72) 1,2,3-Trichlorobenzene	14.325	180	6615	3.275	ug/L	93

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

