

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101724\
 Data File : VV037882.D
 Acq On : 17 Oct 2024 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

Quant Time: Oct 18 06:03:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 16 03:26:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/18/2024
 Supervised By :Mahesh Dadoda 10/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	551707	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	551089	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	309125	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	229311	47.348	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.700%		
7) Chloroethane-d5	1.532	69	197364	52.501	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.000%		
11) 1,1-Dichloroethene-d2	2.060	65	103055	50.932	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.860%		
21) 2-Butanone-d5	3.789	46	141563m	82.064	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.060%		
24) Chloroform-d	4.239	84	476923	55.350	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.700%		
26) 1,2-Dichloroethane-d4	4.931	65	268240	53.186	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.380%		
32) Benzene-d6	4.947	84	932232	54.059	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.120%		
36) 1,2-Dichloropropane-d6	5.979	67	287835	52.417	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.840%		
41) Toluene-d8	7.233	98	871503	55.734	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.460%		
43) trans-1,3-Dichloroprop...	7.545	79	124452	48.788	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.580%		
47) 2-Hexanone-d5	8.021	63	89180	76.911	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.910%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	292877	45.903	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.800%		
66) 1,2-Dichlorobenzene-d4	11.551	152	322409	49.496	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	235041	50.044	ug/L	100
3) Chloromethane	1.217	50	224885	49.319	ug/L	99
5) Vinyl chloride	1.285	62	248075	50.748	ug/L	99
6) Bromomethane	1.487	94	151323	55.780	ug/L	99
8) Chloroethane	1.552	64	160343	53.217	ug/L	100
9) Trichlorofluoromethane	1.715	101	367573	55.861	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	228108	58.013	ug/L	100
12) 1,1-Dichloroethene	2.069	96	198991	54.177	ug/L	90
13) Acetone	2.111	43	130027	76.891	ug/L	99
14) Carbon disulfide	2.240	76	533945	46.572	ug/L	99
15) Methyl Acetate	2.368	43	142300	48.219	ug/L	100
16) Methylene chloride	2.442	84	228380	54.915	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	212133	54.594	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	599235	53.752	ug/L	99
19) 1,1-Dichloroethane	3.104	63	423662	56.907	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	239790	55.146	ug/L	99
22) 2-Butanone	3.870	43	151713	81.055	ug/L	96
23) Bromochloromethane	4.137	128	125822	55.939	ug/L	98
25) Chloroform	4.265	83	445587	57.808	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	306258	56.281	ug/L	99
29) Cyclohexane	4.571	56	314026	50.187	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	381540	56.213	ug/L	100
31) Carbon tetrachloride	4.722	117	331483	56.174	ug/L	100
33) Benzene	4.998	78	919601	55.330	ug/L	100
34) Trichloroethene	5.825	95	237978	53.766	ug/L	99
35) Methylcyclohexane	6.040	83	355799	52.254	ug/L	99
37) 1,2-Dichloropropane	6.085	63	245104	57.110	ug/L	99
38) Bromodichloromethane	6.423	83	326139	56.846	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	379582	55.406	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	318312	91.091	ug/L	100
42) Toluene	7.307	91	986932	57.280	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	334522	54.236	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	224093	54.378	ug/L	99
46) Tetrachloroethene	7.895	164	186275	55.044	ug/L	97
48) 2-Hexanone	8.069	43	214790	79.048	ug/L	94
49) Dibromochloromethane	8.165	129	246945	56.618	ug/L	98
50) 1,2-Dibromoethane	8.275	107	222931	52.333	ug/L	98
51) Chlorobenzene	8.805	112	652041	55.546	ug/L	99
52) Ethylbenzene	8.937	91	1091231	56.263	ug/L	99
53) m,p-Xylene	9.062	106	422700	58.560	ug/L	99
54) o-Xylene	9.468	106	401285	56.943	ug/L	95
55) Styrene	9.487	104	729797	59.488	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	285878	49.756	ug/L	100
59) Bromoform	9.657	173	155552	51.485	ug/L	98
60) Isopropylbenzene	9.857	105	1100431	54.755	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	209087	47.534	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	869452	54.720	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	873569	55.257	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	529495	54.736	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	551707	54.771	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	517557	54.121	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	42599	39.895	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	357386	53.724	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	311461	50.463	ug/L	99
71) Naphthalene	13.429	128	658801	40.855	ug/L	100
72) 1,2,3-Trichlorobenzene	13.670	180	297448	48.802	ug/L	99

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

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