

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072424\
 Data File : VW036666.D
 Acq On : 24 Jul 2024 11:58
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025336

Quant Time: Jul 25 00:52:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 00:49:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	345356	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	354770	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	214654	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	80449	21.269	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.080%
7) Chloroethane-d5	1.526	69	79706	23.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.320%
11) 1,1-Dichloroethene-d2	2.050	65	45255	22.627	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.520%
21) 2-Butanone-d5	3.838	46	43561	49.347	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.700%
24) Chloroform-d	4.240	84	233221	25.534	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.120%
26) 1,2-Dichloroethane-d4	4.937	65	117730	26.127	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.520%
32) Benzene-d6	4.950	84	399799	23.778	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.120%
36) 1,2-Dichloropropane-d6	5.982	67	113984	23.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.236	98	390711	24.350	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	7.551	79	50444	23.685	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.760%
47) 2-Hexanone-d5	8.030	63	32053	50.272	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.540%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105577	25.284	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.120%
66) 1,2-Dichlorobenzene-d4	11.558	152	173237	23.119	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	156867	26.783	ug/L	99
3) Chloromethane	1.211	50	119640	26.551	ug/L	100
5) Vinyl chloride	1.275	62	148337	26.620	ug/L	99
6) Bromomethane	1.481	94	120237	26.987	ug/L	99
8) Chloroethane	1.542	64	97518	27.004	ug/L	100
9) Trichlorofluoromethane	1.706	101	269317	27.835	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	166890	27.722	ug/L	100
12) 1,1-Dichloroethene	2.060	96	149481	28.057	ug/L	98
13) Acetone	2.159	43	65396	45.605	ug/L	82
14) Carbon disulfide	2.230	76	405699	27.436	ug/L	100
15) Methyl Acetate	2.384	43	41931	25.064	ug/L	100
16) Methylene chloride	2.439	84	195812	30.473	ug/L	97
17) trans-1,2-Dichloroethene	2.683	96	144958	26.941	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	299007	26.495	ug/L	99
19) 1,1-Dichloroethane	3.101	63	226948	26.884	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	147973	26.333	ug/L	99
22) 2-Butanone	3.921	43	54644	44.892	ug/L	90
23) Bromochloromethane	4.140	128	82998	27.793	ug/L	96
25) Chloroform	4.265	83	281392	27.615	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	171096	27.982	ug/L	97
29) Cyclohexane	4.571	56	159380	25.198	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	245871	26.788	ug/L	99
31) Carbon tetrachloride	4.725	117	227946	26.582	ug/L	100
33) Benzene	5.002	78	539975	26.801	ug/L	100
34) Trichloroethene	5.828	95	173280	26.281	ug/L	98
35) Methylcyclohexane	6.043	83	229779	26.173	ug/L	99
37) 1,2-Dichloropropane	6.088	63	124469	26.844	ug/L	100
38) Bromodichloromethane	6.426	83	198736	26.288	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	206227	27.088	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	115237	53.224	ug/L	96
42) Toluene	7.310	91	619293	27.752	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	186250	27.241	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	121983	26.975	ug/L	99
46) Tetrachloroethene	7.902	164	154398	23.599	ug/L	99
48) 2-Hexanone	8.079	43	88728	52.267	ug/L	98
49) Dibromochloromethane	8.172	129	155656	27.321	ug/L	97
50) 1,2-Dibromoethane	8.278	107	123629	27.212	ug/L	99
51) Chlorobenzene	8.809	112	426801	26.416	ug/L	99
52) Ethylbenzene	8.944	91	667390	27.189	ug/L	100
53) m,p-Xylene	9.069	106	271564	28.336	ug/L	99
54) o-Xylene	9.474	106	252564	27.429	ug/L	99
55) Styrene	9.490	104	457109	29.276	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	106930	26.098	ug/L	98
59) Bromoform	9.661	173	103854	25.690	ug/L	99
60) Isopropylbenzene	9.863	105	693428	26.398	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	95151	25.145	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	560071	27.335	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	566976	27.336	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	379801	25.865	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	389574	25.762	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	353214	25.870	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	22855	25.647	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	297195	25.657	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	237860	25.279	ug/L	100
71) Naphthalene	13.435	128	334087	23.868	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	227860	26.839	ug/L	99

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

