

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036625.D
 Acq On : 22 Jul 2024 11:26
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV232

Quant Time: Jul 23 01:55:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:49:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	429537	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	420702	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	244634	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	104696	22.255	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.000%
7) Chloroethane-d5	1.526	69	98423	23.164	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.640%
11) 1,1-Dichloroethene-d2	2.050	65	56002	22.513	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.040%
21) 2-Butanone-d5	3.844	46	44717	40.729	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.460%
24) Chloroform-d	4.243	84	263655	23.209	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.840%
26) 1,2-Dichloroethane-d4	4.937	65	131262	23.421	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.680%
32) Benzene-d6	4.953	84	479420	24.044	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.160%
36) 1,2-Dichloropropane-d6	5.982	67	133981	23.583	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.320%
41) Toluene-d8	7.239	98	470325	24.718	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.880%
43) trans-1,3-Dichloroprop...	7.551	79	60466	23.941	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.760%
47) 2-Hexanone-d5	8.030	63	38027	50.295	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.580%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	114248	23.073	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	11.558	152	199992	23.419	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	199198	27.345	ug/L	99
3) Chloromethane	1.211	50	149779	26.725	ug/L	98
5) Vinyl chloride	1.275	62	191142	27.579	ug/L	100
6) Bromomethane	1.481	94	149370	26.956	ug/L	98
8) Chloroethane	1.542	64	120074	26.734	ug/L	98
9) Trichlorofluoromethane	1.706	101	325701	27.065	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	199515	26.647	ug/L	100
12) 1,1-Dichloroethene	2.060	96	179489	27.086	ug/L	97
13) Acetone	2.159	43	84984	47.650	ug/L	93
14) Carbon disulfide	2.230	76	521172	28.337	ug/L	100
15) Methyl Acetate	2.384	43	48431	23.276	ug/L	99
16) Methylene chloride	2.439	84	187916	23.513	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	181545	27.128	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	359475	25.611	ug/L	100
19) 1,1-Dichloroethane	3.101	63	278392	26.515	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	185542	26.548	ug/L	97
22) 2-Butanone	3.918	43	70592	46.629	ug/L	89
23) Bromochloromethane	4.140	128	96829	26.070	ug/L	99
25) Chloroform	4.265	83	329219	25.977	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	196781	25.876	ug/L	98
29) Cyclohexane	4.574	56	218321	29.107	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	296739	27.264	ug/L	100
31) Carbon tetrachloride	4.725	117	276190	27.160	ug/L	99
33) Benzene	5.002	78	660380	27.641	ug/L	100
34) Trichloroethene	5.828	95	212847	27.223	ug/L	98
35) Methylcyclohexane	6.043	83	299357	28.755	ug/L	100
37) 1,2-Dichloropropane	6.088	63	148862	27.074	ug/L	100
38) Bromodichloromethane	6.426	83	233584	26.056	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	255926	28.348	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	134174	52.258	ug/L	99
42) Toluene	7.310	91	758026	28.645	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	219078	27.021	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	139166	25.952	ug/L	98
46) Tetrachloroethene	7.902	164	189625	24.441	ug/L	99
48) 2-Hexanone	8.079	43	112669	55.969	ug/L	98
49) Dibromochloromethane	8.172	129	177482	26.270	ug/L	99
50) 1,2-Dibromoethane	8.278	107	142279	26.409	ug/L	99
51) Chlorobenzene	8.809	112	512433	26.745	ug/L	99
52) Ethylbenzene	8.944	91	829652	28.502	ug/L	99
53) m,p-Xylene	9.069	106	331802	29.196	ug/L	99
54) o-Xylene	9.474	106	310547	28.440	ug/L	100
55) Styrene	9.490	104	542928	29.323	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	120602	24.822	ug/L	99
59) Bromoform	9.661	173	119186	25.869	ug/L	98
60) Isopropylbenzene	9.863	105	859844	28.722	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	109444	25.378	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	695524	29.785	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	691705	29.263	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	445437	26.617	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	454590	26.377	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	407511	26.189	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	25143	24.757	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	350669	26.563	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	282144	26.311	ug/L	100
71) Naphthalene	13.435	128	427456	26.796	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	258848	26.752	ug/L	98

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

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