

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052024\
 Data File : VW035631.D
 Acq On : 20 May 2024 12:24
 Operator : SY/MD
 Sample : P2409-03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 21 02:17:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 21 02:11:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	385883	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	399881	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	199723	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	128844	21.603	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.400%
7) Chloroethane-d5	1.526	69	113419	23.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.280%
11) 1,1-Dichloroethene-d2	2.050	65	59599	22.571	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.280%
21) 2-Butanone-d5	3.838	46	83265	49.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.380%
24) Chloroform-d	4.243	84	280243	24.428	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.720%
26) 1,2-Dichloroethane-d4	4.937	65	150588	26.552	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	4.953	84	518702	23.697	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.986	67	174274	25.799	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.200%
41) Toluene-d8	7.239	98	431123	22.130	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.520%
43) trans-1,3-Dichloroprop...	7.555	79	64832	22.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	8.030	63	60035	49.424	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	163107	25.057	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	180413	26.029	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	10502	1.339	ug/L	97
3) Chloromethane	1.211	50	13268	1.684	ug/L	99
5) Vinyl chloride	1.275	62	11418	1.403	ug/L #	82
6) Bromomethane	1.481	94	7384	1.433	ug/L	98
8) Chloroethane	1.545	64	6712	1.338	ug/L	98
9) Trichlorofluoromethane	1.706	101	14642	1.378	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	10814	1.614	ug/L	88
12) 1,1-Dichloroethene	2.063	96	9660	1.596	ug/L #	1
13) Acetone	2.166	43	7788m	3.143	ug/L	
14) Carbon disulfide	2.233	76	26220	1.368	ug/L	97
15) Methyl Acetate	2.391	43	4123m	1.098	ug/L	
16) Methylene chloride	2.442	84	25278	2.841	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	7883	1.173	ug/L	88
18) Methyl tert-butyl Ether	2.703	73	18926	1.168	ug/L	99
19) 1,1-Dichloroethane	3.108	63	16182	1.284	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	8231	1.130	ug/L	90
22) 2-Butanone	3.953	43	7102m	3.087	ug/L	
23) Bromochloromethane	4.153	128	4161	1.181	ug/L	92
25) Chloroform	4.272	83	21047	1.618	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	8757	1.081	ug/L	97
29) Cyclohexane	4.574	56	10525	1.101	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	14011	1.264	ug/L	99
31) Carbon tetrachloride	4.735	117	12276	1.262	ug/L	99
33) Benzene	5.014	78	32927	1.244	ug/L	100
34) Trichloroethene	5.834	95	9995	1.335	ug/L	94
35) Methylcyclohexane	6.043	83	11470	1.009	ug/L #	88
37) 1,2-Dichloropropane	6.098	63	8118	1.176	ug/L	98
38) Bromodichloromethane	6.439	83	11608	1.241	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	12502m	1.158	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	12319m	2.979	ug/L	
42) Toluene	7.323	91	33470	1.195	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	11189m	1.184	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6943	1.183	ug/L	95
46) Tetrachloroethene	7.908	164	8000	1.315	ug/L	90
48) 2-Hexanone	8.098	43	11098m	3.579	ug/L	
49) Dibromochloromethane	8.178	129	8002	1.209	ug/L	98
50) 1,2-Dibromoethane	8.291	107	7670	1.327	ug/L	89
51) Chlorobenzene	8.818	112	24082	1.239	ug/L	99
52) Ethylbenzene	8.950	91	32132	1.039	ug/L	100
53) m,p-Xylene	9.079	106	10759	0.917	ug/L	98
54) o-Xylene	9.481	106	10161	0.914	ug/L	95
55) Styrene	9.503	104	17016m	0.877	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8781	1.229	ug/L #	93
59) Bromoform	9.673	173	5059	1.289	ug/L #	96
60) Isopropylbenzene	9.866	105	27228	1.023	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	7132	1.524	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.477	105	19326	0.926	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	19173	0.894	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	16599	1.189	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	18136	1.255	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	17992	1.369	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	1413	1.302	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	12298	1.127	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	9226	1.013	ug/L	99
71) Naphthalene	13.445	128	14901m	0.932	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8237	1.005	ug/L	98

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

