

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061724\
 Data File : VW036105.D
 Acq On : 17 Jun 2024 17:42
 Operator : SY/MD
 Sample : P2909-06MS
 Misc : 5.01g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4B84MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/20/2024
 Supervised By :Semsettin Yesilyurt 06/20/2024

Quant Time: Jun 18 02:13:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	209719	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	169051	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	50369	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	131019	33.981	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	135.920%
7) Chloroethane-d5	1.526	69	109076	35.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	141.920%
11) 1,1-Dichloroethene-d2	2.050	65	54640	31.833	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	127.320%#
21) 2-Butanone-d5	3.818	46	21978	24.844	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.680%
24) Chloroform-d	4.246	84	209781	31.464	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	125.840%
26) 1,2-Dichloroethane-d4	4.940	65	105422	30.157	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.640%
32) Benzene-d6	4.957	84	373979	37.216	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	148.880%#
36) 1,2-Dichloropropane-d6	5.985	67	119488	37.759	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	151.040%#
41) Toluene-d8	7.243	98	280554	31.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	126.560%
43) trans-1,3-Dichloroprop...	7.558	79	31788	24.499	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.000%
47) 2-Hexanone-d5	8.037	63	13784	32.150	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.300%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	60801	25.712	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.840%
66) 1,2-Dichlorobenzene-d4	11.561	152	38417	20.799	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	131290	34.720	ug/L	99
3) Chloromethane	1.214	50	149338	34.412	ug/L	99
5) Vinyl chloride	1.278	62	167002	36.554	ug/L	99
6) Bromomethane	1.481	94	72552	25.599	ug/L	98
8) Chloroethane	1.542	64	107133	37.726	ug/L	98
9) Trichlorofluoromethane	1.706	101	209647	36.951	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	118494	32.908	ug/L	99
12) 1,1-Dichloroethene	2.063	96	116448	34.674	ug/L	96
13) Acetone	2.121	43	40569m	29.440	ug/L	
14) Carbon disulfide	2.233	76	331104	28.391	ug/L	99
15) Methyl Acetate	2.381	43	26264	15.334	ug/L	99
16) Methylene chloride	2.442	84	213953	45.085	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	112489	31.532	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	242668	30.300	ug/L	97
19) 1,1-Dichloroethane	3.108	63	233982	34.441	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	107411	29.964	ug/L	99
22) 2-Butanone	3.892	43	40219	34.397	ug/L	85
23) Bromochloromethane	4.146	128	55216	30.708	ug/L	99
25) Chloroform	4.272	83	230795	33.025	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	136290	31.237	ug/L	99
29) Cyclohexane	4.577	56	121007	30.064	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	193101	41.782	ug/L	99
31) Carbon tetrachloride	4.728	117	160382	39.557	ug/L	100
33) Benzene	5.008	78	453171	40.987	ug/L	100
34) Trichloroethene	5.831	95	111744	32.976	ug/L	99
35) Methylcyclohexane	6.047	83	110631	23.608	ug/L	95
37) 1,2-Dichloropropane	6.092	63	115972	39.946	ug/L	99
38) Bromodichloromethane	6.432	83	144405	37.580	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	97699	22.500	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	86307	54.718	ug/L	100
42) Toluene	7.313	91	383892	33.980	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	90544	24.141	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	80448	33.490	ug/L	99
46) Tetrachloroethene	7.905	164	69861	28.189	ug/L	98
48) 2-Hexanone	8.082	43	53382	43.290	ug/L #	91
49) Dibromochloromethane	8.175	129	81170	30.875	ug/L	99
50) 1,2-Dibromoethane	8.284	107	67359	29.224	ug/L	98
51) Chlorobenzene	8.815	112	185216	24.061	ug/L	100
52) Ethylbenzene	8.947	91	293331	24.267	ug/L	99
53) m,p-Xylene	9.072	106	106457	23.439	ug/L	99
54) o-Xylene	9.477	106	96650	22.565	ug/L	98
55) Styrene	9.497	104	138429	18.328	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	55811	25.947	ug/L	99
59) Bromoform	9.664	173	40360	42.489	ug/L	99
60) Isopropylbenzene	9.866	105	236590	36.612	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	55569	46.647	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	121809	25.995	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	119442	23.658	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	74134	21.845	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	71775	20.491	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	64645	20.243	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	9022	33.868	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	27583	10.866	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	16350	8.180	ug/L	99
71) Naphthalene	13.442	128	27844	8.536	ug/L	96
72) 1,2,3-Trichlorobenzene	13.680	180	12253	6.718	ug/L	97

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

