

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036407.D
 Acq On : 02 Jul 2024 04:28
 Operator : SY/MD
 Sample : P3087-03MSD
 Misc : 4.54g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CB7MSD

Quant Time: Jul 02 05:30:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 05:19:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

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 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	549071	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	506731	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	221691	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.272	65	121347	13.013	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.040%
7) Chloroethane-d5	1.526	69	120018	16.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.440%
11) 1,1-Dichloroethene-d2	2.050	65	58778	13.408	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.640%
21) 2-Butanone-d5	3.867	46	24909m	11.509	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	23.020%
24) Chloroform-d	4.239	84	317854	19.612	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.440%
26) 1,2-Dichloroethane-d4	4.937	65	161429	18.677	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.720%
32) Benzene-d6	4.953	84	585476	20.468	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.880%
36) 1,2-Dichloropropane-d6	5.982	67	186056	21.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.480%
41) Toluene-d8	7.239	98	516675	20.033	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.120%
43) trans-1,3-Dichloroprop...	7.551	79	58704	15.279	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.120%
47) 2-Hexanone-d5	8.037	63	18866	13.736	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.480%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	132691	18.814	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	153531	19.004	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.101	85	148670	14.251	ug/L	100
3) Chloromethane	1.211	50	153598	16.266	ug/L	99
5) Vinyl chloride	1.275	62	175003	16.049	ug/L	99
6) Bromomethane	1.481	94	90573	12.350	ug/L	100
8) Chloroethane	1.542	64	116326	17.309	ug/L	99
9) Trichlorofluoromethane	1.706	101	229896	14.762	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	143193	14.659	ug/L	97
12) 1,1-Dichloroethene	2.060	96	142362	16.461	ug/L	91
13) Acetone	2.166	43	34450m	11.782	ug/L	
14) Carbon disulfide	2.233	76	357489	13.101	ug/L	100
15) Methyl Acetate	2.387	43	27956	7.430	ug/L	98
16) Methylene chloride	2.439	84	221930	20.531	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	153679	17.897	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	359687	17.994	ug/L	99
19) 1,1-Dichloroethane	3.104	63	287297	18.817	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	162011	18.758	ug/L	98
22) 2-Butanone	3.921	43	50809m	20.609	ug/L	
23) Bromochloromethane	4.140	128	82969	18.423	ug/L	97
25) Chloroform	4.268	83	313404	19.245	ug/L	99

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27) 1,2-Dichloroethane	5.037	62	186109	17.650	ug/L	98
29) Cyclohexane	4.574	56	168579	15.616	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	243023	19.342	ug/L	99
31) Carbon tetrachloride	4.725	117	204691	18.284	ug/L	98
33) Benzene	5.002	78	613168	20.430	ug/L	100
34) Trichloroethene	5.828	95	173738	18.344	ug/L	97
35) Methylcyclohexane	6.043	83	196173	14.863	ug/L	99
37) 1,2-Dichloropropane	6.088	63	156135	20.369	ug/L	98
38) Bromodichloromethane	6.429	83	215467	20.552	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	173183	14.693	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	121583	28.125	ug/L	98
42) Toluene	7.310	91	630321	20.085	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	158106	14.914	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	128239	18.928	ug/L	97
46) Tetrachloroethene	7.902	164	120164	17.458	ug/L	98
48) 2-Hexanone	8.079	43	73391	21.583	ug/L #	89
49) Dibromochloromethane	8.172	129	145530	19.269	ug/L	99
50) 1,2-Dibromoethane	8.278	107	115801	17.350	ug/L	99
51) Chlorobenzene	8.808	112	392312	18.288	ug/L	98
52) Ethylbenzene	8.943	91	622935	18.394	ug/L	100
53) m,p-Xylene	9.069	106	238468	18.893	ug/L	98
54) o-Xylene	9.474	106	229037	19.296	ug/L	97
55) Styrene	9.493	104	337816	16.239	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	105426	17.386	ug/L	99
59) Bromoform	9.664	173	84116	20.044	ug/L	99
60) Isopropylbenzene	9.863	105	581109	21.685	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	100036	19.995	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	395405	20.617	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	424609	20.374	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	262030	18.765	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	270055	18.042	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	248851	18.667	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	19197	17.103	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	150116	14.277	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	104684	12.485	ug/L	98
71) Naphthalene	13.435	128	183958	12.305	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	94957	12.043	ug/L	99

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

