

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062824\
 Data File : VW036359.D
 Acq On : 28 Jun 2024 19:13
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025309

Quant Time: Jun 28 23:39:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 23:33:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	274483	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	293594	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	156823	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	117665	25.241	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 100.960%	
7) Chloroethane-d5	1.529	69	99632	26.759	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 107.040%	
11) 1,1-Dichloroethene-d2	2.053	65	54018	24.650	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 98.600%	
21) 2-Butanone-d5	3.838	46	60534	55.952	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 111.900%	
24) Chloroform-d	4.243	84	227357	28.061	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 112.240%	
26) 1,2-Dichloroethane-d4	4.937	65	125919	29.143	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 116.560%	
32) Benzene-d6	4.957	84	428305	25.843	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.360%	
36) 1,2-Dichloropropane-d6	5.986	67	134056	26.891	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 107.560%	
41) Toluene-d8	7.239	98	389017	26.033	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 104.120%	
43) trans-1,3-Dichloroprop...	7.551	79	54308	24.395	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 97.600%	
47) 2-Hexanone-d5	8.030	63	40318	50.667	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 101.340%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	109519	26.801	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 107.200%	
66) 1,2-Dichlorobenzene-d4	11.558	152	142583	24.950	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 99.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	114864	22.025	ug/L	99
3) Chloromethane	1.211	50	119054	25.220	ug/L	99
5) Vinyl chloride	1.278	62	128521	23.577	ug/L	99
6) Bromomethane	1.484	94	93617	25.535	ug/L	100
8) Chloroethane	1.545	64	83591	24.881	ug/L	97
9) Trichlorofluoromethane	1.709	101	175826	22.585	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	110557	22.640	ug/L	98
12) 1,1-Dichloroethene	2.063	96	106660	24.670	ug/L	94
13) Acetone	2.146	43	50640m	34.645	ug/L	
14) Carbon disulfide	2.233	76	322426	23.637	ug/L	99
15) Methyl Acetate	2.384	43	51068	27.151	ug/L	99
16) Methylene chloride	2.442	84	138806	25.687	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	102567	23.893	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	254667	25.485	ug/L	99
19) 1,1-Dichloroethane	3.105	63	193790	25.390	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	106083	24.570	ug/L	98
22) 2-Butanone	3.915	43	63189m	51.270	ug/L	
23) Bromochloromethane	4.143	128	60243	26.759	ug/L	98
25) Chloroform	4.272	83	214372	26.333	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	143831	27.286	ug/L	100
29) Cyclohexane	4.577	56	116629	18.646	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	164688	22.623	ug/L	99
31) Carbon tetrachloride	4.728	117	144219	22.235	ug/L	99
33) Benzene	5.005	78	422771	24.312	ug/L	100
34) Trichloroethene	5.831	95	125595	22.888	ug/L	98
35) Methylcyclohexane	6.047	83	146294	19.130	ug/L	99
37) 1,2-Dichloropropane	6.092	63	112604	25.355	ug/L	98
38) Bromodichloromethane	6.429	83	152081	25.037	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	152387	22.314	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	127012	50.710	ug/L	97
42) Toluene	7.313	91	443379	24.385	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	141727	23.074	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	100818	25.683	ug/L	98
46) Tetrachloroethene	7.902	164	85189	21.361	ug/L	99
48) 2-Hexanone	8.079	43	90167	45.767	ug/L	98
49) Dibromochloromethane	8.172	129	111948	25.583	ug/L	99
50) 1,2-Dibromoethane	8.281	107	98431	25.453	ug/L	96
51) Chlorobenzene	8.812	112	297572	23.942	ug/L	97
52) Ethylbenzene	8.944	91	439344	22.390	ug/L	100
53) m,p-Xylene	9.069	106	170963	23.378	ug/L	99
54) o-Xylene	9.477	106	161811	23.529	ug/L	99
55) Styrene	9.493	104	314508	26.094	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	84763	24.127	ug/L	100
59) Bromoform	9.664	173	75084	25.293	ug/L	99
60) Isopropylbenzene	9.866	105	419619	22.135	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	91581	25.877	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	287819	21.215	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	325178	22.057	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	231502	23.436	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	238695	22.543	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	227008	24.072	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21019	26.473	ug/L	89
69) 1,3,5-Trichlorobenzene	12.580	180	150076	20.177	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	125283	21.122	ug/L	99
71) Naphthalene	13.435	128	258293	24.423	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	136616	24.494	ug/L	99

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

