

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036264.D
 Acq On : 24 Jun 2024 23:41
 Operator : SY/MD
 Sample : P3010-03MSD
 Misc : 4.60g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CG2MSD

Quant Time: Jun 25 06:29:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	339370	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	210095	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	46990	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	148682	23.830	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.320%
7) Chloroethane-d5	1.526	69	134483	27.032	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.120%
11) 1,1-Dichloroethene-d2	2.050	65	59173	21.304	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.200%
21) 2-Butanone-d5	3.867	46	41223m	28.796	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.600%
24) Chloroform-d	4.243	84	271036	25.121	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.480%
26) 1,2-Dichloroethane-d4	4.937	65	138366	24.460	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.840%
32) Benzene-d6	4.953	84	500134	40.048	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	160.200%#
36) 1,2-Dichloropropane-d6	5.986	67	160716	40.866	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	163.480%#
41) Toluene-d8	7.240	98	347445	31.531	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	126.120%
43) trans-1,3-Dichloroprop...	7.555	79	26552	16.466	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.880%
47) 2-Hexanone-d5	8.037	63	15716	29.495	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	81503	27.733	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.920%
66) 1,2-Dichlorobenzene-d4	11.561	152	38689	22.452	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	82116	13.420	ug/L	99
3) Chloromethane	1.211	50	76821	10.939	ug/L	97
5) Vinyl chloride	1.275	62	106534	14.410	ug/L	100
6) Bromomethane	1.481	94	39196	8.546	ug/L	99
8) Chloroethane	1.542	64	74465	16.204	ug/L	98
9) Trichlorofluoromethane	1.706	101	150671	16.411	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	82261	14.118	ug/L	97
12) 1,1-Dichloroethene	2.060	96	81184	14.939	ug/L #	76
13) Acetone	2.153	43	28010m	12.561	ug/L	
14) Carbon disulfide	2.233	76	158094	8.377	ug/L	100
15) Methyl Acetate	2.391	43	18644	6.727	ug/L #	80
16) Methylene chloride	2.439	84	123114	16.032	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	67552	11.702	ug/L	95
18) Methyl tert-butyl Ether	2.700	73	237853	18.353	ug/L	99
19) 1,1-Dichloroethane	3.105	63	181120	16.475	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	72683	12.530	ug/L	100
22) 2-Butanone	3.944	43	36389m	19.232	ug/L	
23) Bromochloromethane	4.143	128	44344	15.240	ug/L	91
25) Chloroform	4.269	83	183005	16.182	ug/L	98

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27) 1,2-Dichloroethane	5.040	62	107997	15.296	ug/L	100
29) Cyclohexane	4.577	56	68966	13.787	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	141958	24.716	ug/L	98
31) Carbon tetrachloride	4.728	117	112846	22.395	ug/L	100
33) Benzene	5.005	78	341465	24.850	ug/L	100
34) Trichloroethene	5.828	95	70597	16.763	ug/L	99
35) Methylcyclohexane	6.047	83	58244	10.001	ug/L	98
37) 1,2-Dichloropropane	6.088	63	91309	25.307	ug/L	98
38) Bromodichloromethane	6.429	83	113508	23.768	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	54095	10.024	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	60194	30.707	ug/L	99
42) Toluene	7.314	91	275257	19.604	ug/L	97
44) trans-1,3-Dichloropropene	7.584	75	47422	10.174	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	69972	23.438	ug/L	99
46) Tetrachloroethene	7.902	164	42182	13.695	ug/L	93
48) 2-Hexanone	8.088	43	23995	15.657	ug/L #	96
49) Dibromochloromethane	8.175	129	67515	20.664	ug/L	100
50) 1,2-Dibromoethane	8.281	107	49270	17.200	ug/L	97
51) Chlorobenzene	8.812	112	125739	13.143	ug/L	98
52) Ethylbenzene	8.944	91	187536	12.484	ug/L	99
53) m,p-Xylene	9.072	106	66764	11.828	ug/L	100
54) o-Xylene	9.477	106	63619	11.952	ug/L	98
55) Styrene	9.497	104	75686	8.063	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	51300	19.191	ug/L	100
59) Bromoform	9.664	173	33945	38.305	ug/L	97
60) Isopropylbenzene	9.863	105	137291	22.774	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	49025	44.113	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	69049	15.795	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	70258	14.917	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	42996	13.581	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	41960	12.840	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	40938	13.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	6946	27.950	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	15365	6.488	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	8489	4.553	ug/L	99
71) Naphthalene	13.442	128	19090	6.273	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	6684	3.928	ug/L	95

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

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