

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052524\
 Data File : VW035828.D
 Acq On : 26 May 2024 03:35
 Operator : SY/MD
 Sample : P2586-06MS
 Misc : 5.51g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4D18MS

Quant Time: May 27 05:35:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 05:15:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	242780	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	152027	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	37051	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	173956	46.358	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	185.440%#
7) Chloroethane-d5	1.526	69	138480	45.745	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	182.960%#
11) 1,1-Dichloroethene-d2	2.053	65	67142	40.416	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	161.680%#
21) 2-Butanone-d5	3.873	46	18844m	17.695	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.400%
24) Chloroform-d	4.246	84	266728	36.955	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	147.800%
26) 1,2-Dichloroethane-d4	4.941	65	141461	39.645	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	158.600%#
32) Benzene-d6	4.957	84	471302	56.634	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	226.520%#
36) 1,2-Dichloropropane-d6	5.986	67	154282	60.074	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	240.280%#
41) Toluene-d8	7.243	98	312652	42.213	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	168.840%#
43) trans-1,3-Dichloroprop...	7.558	79	25040	22.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.200%
47) 2-Hexanone-d5	8.047	63	7049	15.264	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	30.520%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	80568	32.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	130.240%#
66) 1,2-Dichlorobenzene-d4	11.561	152	34206	26.602	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	149043	30.196	ug/L	99
3) Chloromethane	1.211	50	102333	20.650	ug/L	100
5) Vinyl chloride	1.278	62	156362	30.540	ug/L	98
6) Bromomethane	1.481	94	44130	13.613	ug/L	97
8) Chloroethane	1.542	64	104147	32.999	ug/L	99
9) Trichlorofluoromethane	1.706	101	214530	32.102	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	137061	32.507	ug/L	99
12) 1,1-Dichloroethene	2.063	96	122171	32.079	ug/L #	86
13) Acetone	2.172	43	38912m	24.962	ug/L	
14) Carbon disulfide	2.233	76	206523	17.121	ug/L	100
15) Methyl Acetate	2.391	43	18883m	7.995	ug/L	
16) Methylene chloride	2.442	84	157157	28.071	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	110032	26.025	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	392946	38.529	ug/L	99
19) 1,1-Dichloroethane	3.108	63	272555	34.386	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	120401	26.269	ug/L	97
22) 2-Butanone	3.928	43	55729m	38.496	ug/L	
23) Bromochloromethane	4.146	128	71844	32.409	ug/L	99
25) Chloroform	4.272	83	270149	33.006	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	174954	34.327	ug/L	97
29) Cyclohexane	4.577	56	103331	28.423	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	208644	49.497	ug/L	98
31) Carbon tetrachloride	4.732	117	163606	44.235	ug/L	99
33) Benzene	5.005	78	471508	46.862	ug/L	100
34) Trichloroethene	5.831	95	105019	36.899	ug/L	97
35) Methylcyclohexane	6.047	83	90327	20.904	ug/L	98
37) 1,2-Dichloropropane	6.092	63	138278	52.675	ug/L	99
38) Bromodichloromethane	6.432	83	172322	48.457	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	63120	15.373	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	89032	56.630	ug/L	93
42) Toluene	7.313	91	361002	33.903	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	69691	19.403	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	112168	50.289	ug/L	99
46) Tetrachloroethene	7.905	164	56666	24.507	ug/L	99
48) 2-Hexanone	8.088	43	36407	30.885	ug/L #	82
49) Dibromochloromethane	8.175	129	104003	41.323	ug/L	99
50) 1,2-Dibromoethane	8.284	107	74503	33.906	ug/L	99
51) Chlorobenzene	8.815	112	174015	23.552	ug/L	99
52) Ethylbenzene	8.947	91	245962	20.921	ug/L	98
53) m,p-Xylene	9.072	106	87489	19.615	ug/L	99
54) o-Xylene	9.477	106	85061	20.121	ug/L	100
55) Styrene	9.497	104	103211	13.998	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	84275	31.017	ug/L	98
59) Bromoform	9.664	173	53397	73.334	ug/L	100
60) Isopropylbenzene	9.866	105	189318	38.359	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	79283	91.317	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	101540	26.226	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	92812	23.327	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	58839	22.717	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	56573	21.098	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	53617	21.991	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	11192	55.582	ug/L	85
69) 1,3,5-Trichlorobenzene	12.583	180	21381	10.564	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	13320	7.881	ug/L	99
71) Naphthalene	13.442	128	28662	9.660	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	10824	7.119	ug/L	99

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

