

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090524\
 Data File : VW037205.D
 Acq On : 05 Sep 2024 08:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024

Quant Time: Sep 06 01:22:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 02:17:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	557035	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	524333	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	264126	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	226079	22.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.640%
7) Chloroethane-d5	1.532	69	182207	23.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.080%
11) 1,1-Dichloroethene-d2	2.056	65	104942	23.382	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.520%
21) 2-Butanone-d5	3.831	46	104744m	48.541	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.080%
24) Chloroform-d	4.243	84	426531	24.885	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.520%
26) 1,2-Dichloroethane-d4	4.937	65	214142	24.631	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.520%
32) Benzene-d6	4.953	84	850169	25.660	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.640%
36) 1,2-Dichloropropane-d6	5.985	67	256608	25.000	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.000%
41) Toluene-d8	7.236	98	775655	25.887	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.560%
43) trans-1,3-Dichloroprop...	7.551	79	97842	24.764	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.040%
47) 2-Hexanone-d5	8.030	63	66035	47.194	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.380%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	195214	24.743	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	11.554	152	259174	25.138	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	187925	24.508	ug/L	99
3) Chloromethane	1.217	50	214148	23.368	ug/L	99
5) Vinyl chloride	1.281	62	220084	24.418	ug/L	98
6) Bromomethane	1.487	94	119075	22.838	ug/L	99
8) Chloroethane	1.548	64	132211	23.847	ug/L	99
9) Trichlorofluoromethane	1.712	101	297856	24.211	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	186823	24.308	ug/L	99
12) 1,1-Dichloroethene	2.069	96	170573	24.364	ug/L	96
13) Acetone	2.153	43	126761	46.943	ug/L	72
14) Carbon disulfide	2.240	76	548094	23.850	ug/L	100
15) Methyl Acetate	2.384	43	84591	22.165	ug/L	97
16) Methylene chloride	2.445	84	184541	18.076	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	182215	23.856	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	409902	22.926	ug/L	100
19) 1,1-Dichloroethane	3.105	63	343340	23.478	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	190687	23.650	ug/L	99
22) 2-Butanone	3.912	43	120836m	47.810	ug/L	
23) Bromochloromethane	4.143	128	82131	22.856	ug/L	99
25) Chloroform	4.272	83	334728	23.577	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	211206	23.489	ug/L	97
29) Cyclohexane	4.574	56	291345	24.627	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	288608	24.784	ug/L	99
31) Carbon tetrachloride	4.728	117	245102	24.897	ug/L	98
33) Benzene	5.005	78	738185	25.092	ug/L	100
34) Trichloroethene	5.828	95	192060	23.986	ug/L	98
35) Methylcyclohexane	6.043	83	333286	25.546	ug/L	98
37) 1,2-Dichloropropane	6.088	63	184127	23.917	ug/L	99
38) Bromodichloromethane	6.429	83	230652	24.127	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	265902	22.775	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	193884	45.433	ug/L	98
42) Toluene	7.310	91	766113	24.746	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	220465	23.330	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	133230	23.175	ug/L	98
46) Tetrachloroethene	7.899	164	144956	24.629	ug/L	98
48) 2-Hexanone	8.082	43	171008m	48.086	ug/L	
49) Dibromochloromethane	8.172	129	143416	23.975	ug/L	98
50) 1,2-Dibromoethane	8.278	107	127301	23.176	ug/L	95
51) Chlorobenzene	8.808	112	485241	23.951	ug/L	99
52) Ethylbenzene	8.940	91	860768	24.829	ug/L	99
53) m,p-Xylene	9.066	106	320219	24.896	ug/L	97
54) o-Xylene	9.474	106	306681	24.751	ug/L	99
55) Styrene	9.490	104	523840	24.931	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	159083	23.221	ug/L	99
59) Bromoform	9.661	173	77238	23.032	ug/L	99
60) Isopropylbenzene	9.860	105	844161	24.611	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	111552	22.920	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	678503	24.908	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	668952	24.761	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	371601	23.761	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	372298	23.350	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	337840	23.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	22762	20.721	ug/L	89
69) 1,3,5-Trichlorobenzene	12.577	180	263077	23.709	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	219966	22.455	ug/L	99
71) Naphthalene	13.432	128	384763	20.134	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	200002	22.233	ug/L	98

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

