

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090524\
 Data File : VV037208.D
 Acq On : 05 Sep 2024 11:48
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025385

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

09/06/2024

Supervised By : Mahesh
 Dadoda

09/06/2024

Quant Time: Sep 06 01:32:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 06 01:31:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	570129	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	535754	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	271707	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	181978	17.819	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.280%
7) Chloroethane-d5	1.532	69	148778	18.768	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.080%
11) 1,1-Dichloroethene-d2	2.056	65	84970	18.497	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.000%
21) 2-Butanone-d5	3.831	46	78829m	35.692	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.380%
24) Chloroform-d	4.239	84	349320	19.912	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.640%
26) 1,2-Dichloroethane-d4	4.934	65	169968	19.101	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.400%
32) Benzene-d6	4.950	84	680703	20.107	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.440%
36) 1,2-Dichloropropane-d6	5.982	67	203919	19.444	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.760%
41) Toluene-d8	7.236	98	625447	20.429	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.720%
43) trans-1,3-Dichloroprop...	7.548	79	74904	18.554	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.200%
47) 2-Hexanone-d5	8.030	63	47838	33.460	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.920%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	151407	18.781	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.120%
66) 1,2-Dichlorobenzene-d4	11.554	152	206241	19.446	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.108	85	220928	28.150	ug/L	100
3) Chloromethane	1.217	50	246957	26.330	ug/L	99
5) Vinyl chloride	1.281	62	253114	27.437	ug/L	99
6) Bromomethane	1.487	94	139034	26.053	ug/L	100
8) Chloroethane	1.548	64	154291	27.190	ug/L	99
9) Trichlorofluoromethane	1.712	101	343637	27.291	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	214767	27.302	ug/L	99
12) 1,1-Dichloroethene	2.066	96	193821	27.048	ug/L	92
13) Acetone	2.150	43	135458	49.011	ug/L	96
14) Carbon disulfide	2.236	76	626540	26.637	ug/L	100
15) Methyl Acetate	2.381	43	86803	22.222	ug/L	99
16) Methylene chloride	2.442	84	224208	21.457	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	209370	26.782	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	453855	24.801	ug/L	99
19) 1,1-Dichloroethane	3.101	63	399879	26.716	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	215106	26.066	ug/L	97
22) 2-Butanone	3.905	43	117700	45.499	ug/L	89
23) Bromochloromethane	4.137	128	93096	25.312	ug/L	94
25) Chloroform	4.265	83	382385	26.316	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	229414	24.928	ug/L	98
29) Cyclohexane	4.567	56	338302	27.987	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	328689	27.624	ug/L	99
31) Carbon tetrachloride	4.722	117	282011	28.035	ug/L	99
33) Benzene	4.998	78	832135	27.683	ug/L	100
34) Trichloroethene	5.825	95	222944	27.250	ug/L	99
35) Methylcyclohexane	6.040	83	370865	27.820	ug/L	99
37) 1,2-Dichloropropane	6.085	63	207916	26.431	ug/L	99
38) Bromodichloromethane	6.426	83	256543	26.264	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	310955	26.066	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	213979	49.073	ug/L	98
42) Toluene	7.307	91	879768	27.812	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	245681	25.445	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	150410	25.606	ug/L	99
46) Tetrachloroethene	7.898	164	166847	27.744	ug/L	98
48) 2-Hexanone	8.079	43	166241	45.749	ug/L	94
49) Dibromochloromethane	8.169	129	162264	26.548	ug/L	94
50) 1,2-Dibromoethane	8.278	107	139395	24.837	ug/L	95
51) Chlorobenzene	8.808	112	555041	26.813	ug/L	100
52) Ethylbenzene	8.940	91	989424	27.931	ug/L	99
53) m,p-Xylene	9.066	106	375942	28.605	ug/L	99
54) o-Xylene	9.471	106	352213	27.819	ug/L	99
55) Styrene	9.490	104	597089	27.811	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	170338	24.334	ug/L	97
59) Bromoform	9.657	173	85239	24.708	ug/L #	97
60) Isopropylbenzene	9.860	105	985589	27.933	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	117734	23.515	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	791431	28.243	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	773395	27.828	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	426683	26.522	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	429968	26.214	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	381277	25.551	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	24228	21.440	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	303371	26.578	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	262054	26.006	ug/L	99
71) Naphthalene	13.435	128	454686	23.129	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	230156	24.872	ug/L	97

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

