

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
 Data File : VV035808.D
 Acq On : 25 May 2024 19:31
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025379

Quant Time: May 27 05:11:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 01:41:30 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	488422	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	510625	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	282384	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	191583	25.378	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.520%
7) Chloroethane-d5	1.526	69	154034	25.292	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.160%
11) 1,1-Dichloroethene-d2	2.050	65	82109	24.568	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.280%
21) 2-Butanone-d5	3.841	46	91334m	42.632	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.260%
24) Chloroform-d	4.246	84	362124	24.939	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.760%
26) 1,2-Dichloroethane-d4	4.937	65	184739	25.735	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.960%
32) Benzene-d6	4.953	84	695398	24.879	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.520%
36) 1,2-Dichloropropane-d6	5.985	67	210116	24.358	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.440%
41) Toluene-d8	7.239	98	644385	25.903	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	7.551	79	87351	23.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.720%
47) 2-Hexanone-d5	8.030	63	59252	38.200	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.400%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	179844	21.636	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.560%
66) 1,2-Dichlorobenzene-d4	11.558	152	233999	23.877	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	173620	17.484	ug/L	99
3) Chloromethane	1.211	50	180042	18.059	ug/L	100
5) Vinyl chloride	1.275	62	196409	19.069	ug/L	100
6) Bromomethane	1.481	94	127151	19.496	ug/L	99
8) Chloroethane	1.545	64	133738	21.063	ug/L	99
9) Trichlorofluoromethane	1.706	101	281327	20.926	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	185391	21.856	ug/L	99
12) 1,1-Dichloroethene	2.063	96	162923	21.264	ug/L	94
13) Acetone	2.166	43	95144m	30.338	ug/L	
14) Carbon disulfide	2.230	76	400768	16.514	ug/L	100
15) Methyl Acetate	2.384	43	97454	20.510	ug/L #	89
16) Methylene chloride	2.439	84	231530	20.557	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	179358	21.087	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	522830	25.482	ug/L	99
19) 1,1-Dichloroethane	3.105	63	394206	24.721	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	206322	22.376	ug/L	100
22) 2-Butanone	3.912	43	113701m	39.040	ug/L	
23) Bromochloromethane	4.143	128	110405	24.756	ug/L	98
25) Chloroform	4.269	83	426293	25.889	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	272283	26.555	ug/L	100
29) Cyclohexane	4.577	56	216248	17.710	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	336710	23.782	ug/L	99
31) Carbon tetrachloride	4.728	117	281757	22.681	ug/L	100
33) Benzene	5.005	78	810793	23.992	ug/L	100
34) Trichloroethene	5.828	95	227554	23.804	ug/L	98
35) Methylcyclohexane	6.047	83	268445	18.497	ug/L	97
37) 1,2-Dichloropropane	6.088	63	233400	26.471	ug/L	100
38) Bromodichloromethane	6.429	83	311061	26.042	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	321907	23.342	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	276046	52.276	ug/L	97
42) Toluene	7.313	91	877323	24.531	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	297671	24.674	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	200886	26.814	ug/L	99
46) Tetrachloroethene	7.902	164	166307	21.414	ug/L	98
48) 2-Hexanone	8.079	43	180843	45.676	ug/L	99
49) Dibromochloromethane	8.175	129	225387	26.662	ug/L	99
50) 1,2-Dibromoethane	8.281	107	187406	25.392	ug/L	99
51) Chlorobenzene	8.812	112	598678	24.125	ug/L	99
52) Ethylbenzene	8.944	91	948878	24.030	ug/L	99
53) m,p-Xylene	9.072	106	359955	24.027	ug/L	98
54) o-Xylene	9.477	106	351554	24.759	ug/L	100
55) Styrene	9.493	104	672502	27.155	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	214219	23.474	ug/L	99
59) Bromoform	9.664	173	151938	27.379	ug/L	99
60) Isopropylbenzene	9.866	105	952605	25.325	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	183888	27.790	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	764709	25.915	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	790445	26.067	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	504343	25.549	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	524930	25.686	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	487169	26.217	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	40335	26.283	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	360798	23.389	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	289072	22.442	ug/L	99
71) Naphthalene	13.439	128	504948	22.330	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	294101	25.380	ug/L	99

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

