

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037009.D
 Acq On : 22 Aug 2024 15:51
 Operator : SY/MD
 Sample : P3696-03MSD
 Misc : 5.25g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GCN87MSD

Quant Time: Aug 23 05:21:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	885057	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	616505	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	163426	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	166127	13.396	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.600%
7) Chloroethane-d5	1.532	69	166839	15.728	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.920%
11) 1,1-Dichloroethene-d2	2.057	65	86080	14.409	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.640%
21) 2-Butanone-d5	3.854	46	70897m	30.826	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.660%
24) Chloroform-d	4.243	84	439125	17.606	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.440%
26) 1,2-Dichloroethane-d4	4.937	65	214164	18.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.680%
32) Benzene-d6	4.954	84	813518	22.021	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.080%
36) 1,2-Dichloropropane-d6	5.986	67	266760	23.850	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.400%
41) Toluene-d8	7.236	98	657661	19.531	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.120%
43) trans-1,3-Dichloroprop...	7.551	79	92597	23.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.920%
47) 2-Hexanone-d5	8.034	63	53899	54.481	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.960%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	126924	20.497	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	11.555	152	98657	16.864	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	67.440%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	205873	14.893	ug/L	100
3) Chloromethane	1.221	50	290898	18.176	ug/L	98
5) Vinyl chloride	1.282	62	292483	18.453	ug/L	100
6) Bromomethane	1.487	94	197714	19.613	ug/L	98
8) Chloroethane	1.549	64	197175	19.695	ug/L	98
9) Trichlorofluoromethane	1.712	101	355922	17.007	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	193012	14.964	ug/L	99
12) 1,1-Dichloroethene	2.069	96	219773	18.296	ug/L	89
13) Acetone	2.140	43	117558m	43.556	ug/L	
14) Carbon disulfide	2.237	76	692833	17.418	ug/L	99
15) Methyl Acetate	2.381	43	101571	23.091	ug/L	97
16) Methylene chloride	2.442	84	287101	16.308	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	254303	19.341	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	598237	21.961	ug/L	99
19) 1,1-Dichloroethane	3.105	63	498303	19.468	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	271229	19.231	ug/L	98
22) 2-Butanone	3.909	43	59653m	21.476	ug/L	
23) Bromochloromethane	4.140	128	106846	19.090	ug/L	97
25) Chloroform	4.269	83	478181	19.113	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	278815	20.379	ug/L	99
29) Cyclohexane	4.571	56	275725	17.240	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	373023	23.995	ug/L	99
31) Carbon tetrachloride	4.725	117	287085	21.881	ug/L	99
33) Benzene	5.002	78	957367	23.821	ug/L	100
34) Trichloroethene	5.828	95	244778	21.575	ug/L	99
35) Methylcyclohexane	6.040	83	225116	12.833	ug/L	99
37) 1,2-Dichloropropane	6.089	63	233961	24.098	ug/L	100
38) Bromodichloromethane	6.429	83	296263	24.567	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	351741	24.811	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	236939	57.809	ug/L	99
42) Toluene	7.310	91	882214	20.953	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	276498	25.632	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	152125	23.876	ug/L	98
46) Tetrachloroethene	7.899	164	127588	15.906	ug/L	94
48) 2-Hexanone	8.082	43	144109	46.929	ug/L	95
49) Dibromochloromethane	8.172	129	159446	22.747	ug/L	99
50) 1,2-Dibromoethane	8.278	107	137429	23.900	ug/L	96
51) Chlorobenzene	8.809	112	484517	18.020	ug/L	99
52) Ethylbenzene	8.940	91	789000	16.619	ug/L	100
53) m,p-Xylene	9.066	106	280522	15.903	ug/L	97
54) o-Xylene	9.471	106	264458	15.695	ug/L	96
55) Styrene	9.490	104	449036	16.146	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	126475	21.441	ug/L	99
59) Bromoform	9.661	173	71595	38.682	ug/L	97
60) Isopropylbenzene	9.860	105	596575	23.152	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	106100	40.260	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	392080	18.585	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	385616	18.753	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	202167	18.358	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	195886	17.808	ug/L	96
67) 1,2-Dichlorobenzene	11.574	146	176387	18.487	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	18748	36.404	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	64632	8.422	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	51672m	8.414	ug/L	
71) Naphthalene	13.435	128	178669	19.312	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.673	180	39303	7.729	ug/L #	85

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

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