

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035881.D
 Acq On : 30 May 2024 09:29
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005263

Quant Time: May 31 00:06:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	470943	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	479624	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	247882	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	45104	5.858	ug/L	0.00
7) Chloroethane-d5	1.529	69	35119	5.704	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	20864	6.163	ug/L	0.00
21) 2-Butanone-d5	3.902	46	20159m	9.833	ug/L	0.05
24) Chloroform-d	4.246	84	77252	5.411	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	39980	5.586	ug/L	0.00
32) Benzene-d6	4.960	84	143243	5.270	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	45706	5.462	ug/L	0.00
41) Toluene-d8	7.243	98	120683	4.977	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	17309	4.867	ug/L	0.00
47) 2-Hexanone-d5	8.046	63	10265m	7.170	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.152	84	36564	4.839	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	45639	5.195	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	42504	4.536	ug/L	99
3) Chloromethane	1.211	50	48151	4.930	ug/L	98
5) Vinyl chloride	1.278	62	49332	4.914	ug/L	100
6) Bromomethane	1.484	94	30966	4.881	ug/L	98
8) Chloroethane	1.545	64	31205	5.059	ug/L	100
9) Trichlorofluoromethane	1.709	101	62294	4.853	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	39886	4.934	ug/L	99
12) 1,1-Dichloroethene	2.063	96	37943	5.125	ug/L	96
13) Acetone	2.166	43	29433m	9.516	ug/L	
14) Carbon disulfide	2.233	76	127913	5.213	ug/L	100
15) Methyl Acetate	2.388	43	17785m	4.062	ug/L	
16) Methylene chloride	2.442	84	59311	5.472	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	38730	4.730	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	79088	4.084	ug/L	98
19) 1,1-Dichloroethane	3.108	63	73007	4.790	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	36271	4.170	ug/L	95
22) 2-Butanone	3.973	43	23507m	8.328	ug/L	
23) Bromochloromethane	4.149	128	18527	4.376	ug/L	97
25) Chloroform	4.275	83	75739	4.827	ug/L	98
27) 1,2-Dichloroethane	5.047	62	46083	4.680	ug/L	99
29) Cyclohexane	4.577	56	46964	4.044	ug/L	94
30) 1,1,1-Trichloroethane	4.506	97	62747	4.768	ug/L	97
31) Carbon tetrachloride	4.731	117	54858	4.758	ug/L	99
33) Benzene	5.008	78	147702	4.659	ug/L	100
34) Trichloroethene	5.834	95	44161	4.846	ug/L	97
35) Methylcyclohexane	6.047	83	56616	4.122	ug/L	97
37) 1,2-Dichloropropane	6.092	63	38106	4.634	ug/L #	97
38) Bromodichloromethane	6.436	83	51396	4.648	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	53546m	4.181	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	38995m	7.970	ug/L	
42) Toluene	7.313	91	143912	4.307	ug/L	95
44) trans-1,3-Dichloropropene	7.587	75	44502	3.967	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	32141	4.619	ug/L	99
46) Tetrachloroethene	7.905	164	33423	4.619	ug/L	98
48) 2-Hexanone	8.091	43	27352m	7.309	ug/L	
49) Dibromochloromethane	8.175	129	34703	4.459	ug/L	98
50) 1,2-Dibromoethane	8.284	107	29852	4.362	ug/L	98
51) Chlorobenzene	8.812	112	102334	4.453	ug/L	100
52) Ethylbenzene	8.947	91	145689	3.975	ug/L	99
53) m,p-Xylene	9.072	106	52107	3.759	ug/L	99
54) o-Xylene	9.477	106	48515	3.703	ug/L	100
55) Styrene	9.497	104	85293m	3.723	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	30925	3.895	ug/L	96
59) Bromoform	9.667	173	22470	4.708	ug/L	96
60) Isopropylbenzene	9.866	105	134454	4.125	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	27739	4.822	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	89597	3.591	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	94796	3.624	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	76688	4.485	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	82723	4.645	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	72691	4.509	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	6123	4.586	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	56199	4.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	42278	3.850	ug/L	99
71) Naphthalene	13.439	128	60270	3.150	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	36448	3.646	ug/L	97

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

