

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035882.D
 Acq On : 30 May 2024 09:52
 Operator : SY/MD
 Sample : VSTD02564
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: May 31 00:07:17 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	475433	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	482781	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	268399	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	202042	25.995	ug/L	0.00
7) Chloroethane-d5	1.529	69	159348	25.636	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	87380	25.567	ug/L	0.00
21) 2-Butanone-d5	3.854	46	92088m	44.492	ug/L	0.00
24) Chloroform-d	4.243	84	343889	23.858	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	181254	25.085	ug/L	0.00
32) Benzene-d6	4.953	84	677083	24.747	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	208968	24.811	ug/L	0.00
41) Toluene-d8	7.239	98	623303	25.536	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	86573	24.182	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	57612	39.976	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	145476	19.126	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	219863	23.114	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	218979	23.148	ug/L	100
3) Chloromethane	1.211	50	246454	24.994	ug/L	100
5) Vinyl chloride	1.278	62	266185	26.267	ug/L	100
6) Bromomethane	1.484	94	159075	24.838	ug/L	100
8) Chloroethane	1.545	64	164307	26.385	ug/L	100
9) Trichlorofluoromethane	1.709	101	331162	25.558	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	212157	25.995	ug/L	100
12) 1,1-Dichloroethene	2.063	96	196109	26.239	ug/L	100
13) Acetone	2.169	43	161187m	51.621	ug/L	
14) Carbon disulfide	2.233	76	685337	27.668	ug/L	100
15) Methyl Acetate	2.387	43	90650	20.508	ug/L	100
16) Methylene chloride	2.442	84	238760	21.819	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	209150	25.302	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	474071	24.248	ug/L	100
19) 1,1-Dichloroethane	3.104	63	394409	25.635	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	207955	23.680	ug/L	100
22) 2-Butanone	3.918	43	148797m	52.219	ug/L	
23) Bromochloromethane	4.143	128	105100	24.589	ug/L	100
25) Chloroform	4.272	83	405851	25.622	ug/L	100
27) 1,2-Dichloroethane	5.037	62	261903	26.348	ug/L	100
29) Cyclohexane	4.577	56	321963	27.544	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	343846	25.959	ug/L	100
31) Carbon tetrachloride	4.728	117	303097	26.119	ug/L	100
33) Benzene	5.005	78	854149	26.766	ug/L	100
34) Trichloroethene	5.828	95	257337	28.055	ug/L	100
35) Methylcyclohexane	6.046	83	379417	27.444	ug/L	100
37) 1,2-Dichloropropane	6.088	63	222290	26.855	ug/L	100
38) Bromodichloromethane	6.429	83	282527	25.385	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	330156	25.612	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	243398	49.419	ug/L	100
42) Toluene	7.310	91	912220	27.120	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	293972	26.033	ug/L	100

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Manual Integrations
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Reviewed By :Mahesh Dadoda 06/03/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	179890	25.686	ug/L	100
46) Tetrachloroethene	7.902	164	187508	25.744	ug/L	100
48) 2-Hexanone	8.079	43	204116	54.185	ug/L	100
49) Dibromochloromethane	8.172	129	194560	24.833	ug/L	100
50) 1,2-Dibromoethane	8.278	107	173912	25.245	ug/L	100
51) Chlorobenzene	8.812	112	578938	25.025	ug/L	100
52) Ethylbenzene	8.943	91	977070	26.484	ug/L	100
53) m,p-Xylene	9.069	106	372738	26.716	ug/L	100
54) o-Xylene	9.474	106	346750	26.291	ug/L	100
55) Styrene	9.490	104	637868	27.660	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	149626	18.720	ug/L	100
59) Bromoform	9.660	173	126823	24.539	ug/L	100
60) Isopropylbenzene	9.863	105	959933	27.198	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	157646	25.308	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	695238	25.736	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	763973	26.970	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	471935	25.489	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	488692	25.343	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	440221	25.220	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	36060	24.945	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	345135	24.090	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	275995	23.209	ug/L	100
71) Naphthalene	13.435	128	448573	21.654	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	263554	24.351	ug/L	100

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

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