

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050624\
 Data File : VV035534.D
 Acq On : 06 May 2024 13:57
 Operator : SY/MD
 Sample : VSTD10058
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100258

Quant Time: May 08 01:30:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:28:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	485669	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	507341	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	298600	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	600177	79.953	ug/L	0.00
7) Chloroethane-d5	1.529	69	493696	81.524	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	263211	79.202	ug/L	0.00
21) 2-Butanone-d5	3.822	46	414231	194.466	ug/L	-0.02
24) Chloroform-d	4.243	84	1264273	87.561	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	623776	87.389	ug/L	0.00
32) Benzene-d6	4.953	84	2385013	85.879	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	748503	87.335	ug/L	0.00
41) Toluene-d8	7.240	98	2214839	89.609	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	341513	93.172	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	351873	228.329	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	775626	93.917	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	921761	88.949	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	874858	88.602	ug/L	99
3) Chloromethane	1.211	50	825181	83.237	ug/L	99
5) Vinyl chloride	1.278	62	918026	89.634	ug/L	99
6) Bromomethane	1.484	94	571450	88.119	ug/L	100
8) Chloroethane	1.545	64	570500	90.361	ug/L	98
9) Trichlorofluoromethane	1.709	101	1232114	92.166	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	795514	94.315	ug/L	99
12) 1,1-Dichloroethene	2.063	96	693867	91.075	ug/L	93
13) Acetone	2.159	43	501395m	160.788	ug/L	
14) Carbon disulfide	2.233	76	1983174	82.184	ug/L	100
15) Methyl Acetate	2.384	43	440440m	92.591	ug/L	
16) Methylene chloride	2.442	84	849323	75.836	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	799125	94.484	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	2121332	103.978	ug/L	100
19) 1,1-Dichloroethane	3.105	63	1534126	96.753	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	928932	101.314	ug/L	99
22) 2-Butanone	3.896	43	586293m	202.401	ug/L	
23) Bromochloromethane	4.140	128	436503	98.431	ug/L	98
25) Chloroform	4.269	83	1597355	97.559	ug/L	98
27) 1,2-Dichloroethane	5.034	62	1000736	98.152	ug/L	100
29) Cyclohexane	4.577	56	1209904	99.726	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	1355468	96.356	ug/L	99
31) Carbon tetrachloride	4.728	117	1182228	95.784	ug/L	100
33) Benzene	5.005	78	3259579	97.076	ug/L	100
34) Trichloroethene	5.828	95	918654	96.721	ug/L	97
35) Methylcyclohexane	6.047	83	1432307	99.329	ug/L	99
37) 1,2-Dichloropropane	6.088	63	881922	100.671	ug/L	99
38) Bromodichloromethane	6.426	83	1180958	99.511	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	1477456	107.827	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	1109608	214.710	ug/L	98
42) Toluene	7.310	91	3569426	100.450	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	1268543	105.832	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	739140	99.300	ug/L	99
46) Tetrachloroethene	7.902	164	734625	95.204	ug/L	99
48) 2-Hexanone	8.075	43	854535	221.404	ug/L	96
49) Dibromochloromethane	8.172	129	856984	102.033	ug/L	100
50) 1,2-Dibromoethane	8.278	107	734785	100.203	ug/L	100
51) Chlorobenzene	8.809	112	2428221	98.482	ug/L	99
52) Ethylbenzene	8.944	91	4098832	104.472	ug/L	98
53) m,p-Xylene	9.069	106	1580008	106.147	ug/L	98
54) o-Xylene	9.474	106	1550012	109.871	ug/L	98
55) Styrene	9.493	104	2692652	109.430	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	933560	102.960	ug/L	100
59) Bromoform	9.661	173	604274	102.975	ug/L	100
60) Isopropylbenzene	9.863	105	4203373	105.677	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	687105	98.198	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	3565630	114.272	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	3569288	111.315	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	2082792	99.779	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	2092375	96.826	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	1957167	99.605	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	163243	100.594	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	1709275	104.787	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	1392278	102.217	ug/L	100
71) Naphthalene	13.435	128	2573122	107.608	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	1207599	98.553	ug/L	99

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

