

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037197.D
 Acq On : 04 Sep 2024 13:48
 Operator : SY/MD
 Sample : VSTD10077
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100277

Quant Time: Sep 05 01:33:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
 Supervised By :Mahesh Dadoda 09/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	669916	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	643873	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	334087	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	901449	75.122	ug/L	0.00
7) Chloroethane-d5	1.532	69	714005	76.652	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	422725	78.315	ug/L	0.00
21) 2-Butanone-d5	3.812	46	412077m	171.398	ug/L	-0.02
24) Chloroform-d	4.236	84	1680618	81.529	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	848872	81.186	ug/L	0.00
32) Benzene-d6	4.947	84	3352398	82.397	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.979	67	1032849	81.945	ug/L	0.00
41) Toluene-d8	7.233	98	3147894	85.554	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	440117	90.712	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	337980	214.374	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	836932	86.385	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	1081485	82.930	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	884358	95.897	ug/L	100
3) Chloromethane	1.217	50	964669	87.530	ug/L	100
5) Vinyl chloride	1.282	62	1003543	92.579	ug/L	100
6) Bromomethane	1.487	94	550917	87.858	ug/L	99
8) Chloroethane	1.548	64	600933	90.126	ug/L	100
9) Trichlorofluoromethane	1.712	101	1347884	91.101	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	858805	92.913	ug/L	99
12) 1,1-Dichloroethene	2.066	96	774801	92.020	ug/L	95
13) Acetone	2.146	43	486548m	152.599	ug/L	
14) Carbon disulfide	2.236	76	2576883	93.237	ug/L	99
15) Methyl Acetate	2.381	43	439412	95.789	ug/L	93
16) Methylene chloride	2.442	84	825560	67.239	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	834059	90.798	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	1963696	91.323	ug/L	99
19) 1,1-Dichloroethane	3.101	63	1556528	88.502	ug/L	100
20) cis-1,2-Dichloroethene	3.802	96	883000	91.061	ug/L	98
22) 2-Butanone	3.896	43	538103m	203.045	ug/L	
23) Bromochloromethane	4.133	128	382578	88.526	ug/L	98
25) Chloroform	4.265	83	1509987	88.438	ug/L	98
27) 1,2-Dichloroethane	5.034	62	966175	89.275	ug/L	99
29) Cyclohexane	4.568	56	1424578	98.061	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	1329457	92.971	ug/L	100
31) Carbon tetrachloride	4.722	117	1153877	95.447	ug/L	100
33) Benzene	4.998	78	3334973	92.315	ug/L	100
34) Trichloroethene	5.822	95	904392	91.980	ug/L	98
35) Methylcyclohexane	6.040	83	1592508	99.402	ug/L	98
37) 1,2-Dichloropropane	6.085	63	841743	89.860	ug/L	99
38) Bromodichloromethane	6.423	83	1085621	91.801	ug/L	98
39) cis-1,3-Dichloropropene	6.944	75	1388115	100.102	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	1006139	192.586	ug/L	96
42) Toluene	7.307	91	3596073	94.592	ug/L	97
44) trans-1,3-Dichloropropene	7.571	75	1144928	101.610	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	639809	90.632	ug/L	99
46) Tetrachloroethene	7.895	164	665088	92.022	ug/L	99
48) 2-Hexanone	8.072	43	872367	223.091	ug/L	96
49) Dibromochloromethane	8.169	129	714987	97.335	ug/L	98
50) 1,2-Dibromoethane	8.275	107	622676	92.318	ug/L	97
51) Chlorobenzene	8.805	112	2289629	92.033	ug/L	99
52) Ethylbenzene	8.937	91	4138422	97.210	ug/L	99
53) m,p-Xylene	9.066	106	1561157	98.840	ug/L	99
54) o-Xylene	9.471	106	1500486	98.614	ug/L	99
55) Styrene	9.487	104	2572664	100.632	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	782762	93.046	ug/L	99
59) Bromoform	9.657	173	409509	96.540	ug/L	100
60) Isopropylbenzene	9.860	105	4175226	96.236	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	544256	88.407	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	3433993	99.665	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	3384271	99.035	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1804981	91.247	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	1812887	89.890	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	1641436	89.462	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	132424	95.313	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	1325978	94.475	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	1161780	93.765	ug/L	99
71) Naphthalene	13.432	128	2269993	93.911	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	1034660	90.932	ug/L	97

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

