

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037001.D
 Acq On : 22 Aug 2024 10:22
 Operator : SY/MD
 Sample : VSTD10063
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100263

Quant Time: Aug 23 04:47:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 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	692830	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	648888	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	316816	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	754130	77.682	ug/L	0.00
7) Chloroethane-d5	1.532	69	686297	82.646	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	382796	81.852	ug/L	0.00
21) 2-Butanone-d5	3.818	46	237580	134.436	ug/L	-0.03
24) Chloroform-d	4.243	84	1795875	91.981	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	815939	90.849	ug/L	0.00
32) Benzene-d6	4.953	84	3538709	91.007	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1083735	88.241	ug/L	0.00
41) Toluene-d8	7.236	98	3303661	93.215	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	412956	100.546	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	208847	206.943	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	623346	95.642	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	1041267	91.817	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	900847	83.249	ug/L	100
3) Chloromethane	1.217	50	1082546	86.408	ug/L	99
5) Vinyl chloride	1.281	62	1115905	89.938	ug/L	99
6) Bromomethane	1.487	94	717356	90.907	ug/L	99
8) Chloroethane	1.548	64	700272	89.356	ug/L	99
9) Trichlorofluoromethane	1.712	101	1465518	89.456	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	910323	90.160	ug/L	99
12) 1,1-Dichloroethene	2.069	96	860448	91.505	ug/L	95
13) Acetone	2.150	43	232967m	120.857	ug/L	
14) Carbon disulfide	2.240	76	2847288	91.443	ug/L	99
15) Methyl Acetate	2.384	43	306384	88.978	ug/L	95
16) Methylene chloride	2.445	84	939802	68.193	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	956026	92.882	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	1974573	92.598	ug/L	99
19) 1,1-Dichloroethane	3.105	63	1827173	91.188	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	1057966	95.826	ug/L	99
22) 2-Butanone	3.905	43	318101	186.869	ug/L	95
23) Bromochloromethane	4.140	128	415937	94.934	ug/L	98
25) Chloroform	4.269	83	1828167	93.345	ug/L	99
27) 1,2-Dichloroethane	5.037	62	1031188	96.282	ug/L	99
29) Cyclohexane	4.574	56	1577051	93.687	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	1542416	94.268	ug/L	100
31) Carbon tetrachloride	4.728	117	1313329	95.104	ug/L	100
33) Benzene	5.002	78	3949963	93.378	ug/L	100
34) Trichloroethene	5.825	95	1118455	93.662	ug/L	99
35) Methylcyclohexane	6.043	83	1721628	93.244	ug/L	100
37) 1,2-Dichloropropane	6.088	63	999553	97.815	ug/L	99
38) Bromodichloromethane	6.426	83	1249540	98.444	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	1548489	103.175	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	819522	190.397	ug/L	98
42) Toluene	7.310	91	4230524	95.462	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	1199142	105.617	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	638590	95.224	ug/L	99
46) Tetrachloroethene	7.899	164	769674	91.162	ug/L	97
48) 2-Hexanone	8.075	43	566328	189.011	ug/L	97
49) Dibromochloromethane	8.172	129	735730	99.721	ug/L	99
50) 1,2-Dibromoethane	8.275	107	591163	97.679	ug/L	99
51) Chlorobenzene	8.809	112	2665241	94.176	ug/L	99
52) Ethylbenzene	8.940	91	4829890	96.654	ug/L	99
53) m,p-Xylene	9.066	106	1825933	98.349	ug/L	98
54) o-Xylene	9.471	106	1757448	99.095	ug/L	100
55) Styrene	9.490	104	2965568	101.314	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	603897	97.270	ug/L	98
59) Bromoform	9.661	173	383526	106.890	ug/L	97
60) Isopropylbenzene	9.860	105	4814201	96.373	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	486713	95.267	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	4035339	98.669	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	3963969	99.439	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	2035787	95.359	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	1988512	93.252	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1763065	95.318	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	104179	104.180	ug/L	90
69) 1,3,5-Trichlorobenzene	12.577	180	1440447	96.818	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	1173332	98.550	ug/L	100
71) Naphthalene	13.432	128	1906848	106.318	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	976186	99.027	ug/L	99

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

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