

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100921\
 Data File : VY006349.D
 Acq On : 08 Oct 2021 09:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025891

Quant Time: Oct 09 00:32:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 08 00:53:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	200739	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	193723	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	104819	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	69295	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.44%
7) Chloroethane-d5	2.772	69	54168	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
11) 1,1-Dichloroethene-d2	3.863	63	120731	21.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.64%
21) 2-Butanone-d5	6.893	46	51228	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
24) Chloroform-d	7.484	84	116041	22.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	8.149	65	78642	23.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.72%
32) Benzene-d6	8.118	84	230824	21.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	9.124	67	70281	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.88%
41) Toluene-d8	10.179	98	220160	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.72%
43) trans-1,3-Dichloroprop...	10.441	79	36721	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.24%
47) 2-Hexanone-d5	10.788	63	39267	56.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.52%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	64153	26.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.04%
66) 1,2-Dichlorobenzene-d4	13.727	152	79466	21.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.92%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	89402	23.82	ug/L	99
3) Chloromethane	2.119	50	86803	23.64	ug/L	99
5) Vinyl chloride	2.259	62	102097	23.77	ug/L	98
6) Bromomethane	2.662	94	48587	24.94	ug/L	100
8) Chloroethane	2.802	64	60057	24.71	ug/L	98
9) Trichlorofluoromethane	3.137	101	131945	24.86	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	64889	24.21	ug/L	94
12) 1,1-Dichloroethene	3.881	96	63017	24.36	ug/L	89
13) Acetone	3.954	43	70763	66.58	ug/L	97
14) Carbon disulfide	4.204	76	218324	23.32	ug/L	100
15) Methyl Acetate	4.485	43	47788	28.80	ug/L	98
16) Methylene chloride	4.722	84	75278	21.27	ug/L	93
17) trans-1,2-Dichloroethene	5.228	96	70011	25.76	ug/L	96
18) Methyl tert-butyl Ether	5.228	73	197216	27.74	ug/L	97
19) 1,1-Dichloroethane	6.021	63	127355	25.85	ug/L	97
20) cis-1,2-Dichloroethene	6.990	96	74795	26.26	ug/L	100
22) 2-Butanone	6.990	43	76694	64.83	ug/L	98
23) Bromochloromethane	7.344	128	35468	27.38	ug/L	87
25) Chloroform	7.515	83	140359	26.02	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	106463	27.76	ug/L	96
29) Cyclohexane	7.789	56	121028	24.28	ug/L	96
30) 1,1,1-Trichloroethane	7.704	97	126988	25.82	ug/L	98
31) Carbon tetrachloride	7.905	117	114558	25.74	ug/L	100
33) Benzene	8.167	78	301836	25.52	ug/L	100
34) Trichloroethene	8.941	95	76266	25.38	ug/L	98
35) Methylcyclohexane	9.185	83	127041	24.20	ug/L	100
37) 1,2-Dichloropropane	9.222	63	73177	25.85	ug/L	99
38) Bromodichloromethane	9.502	83	103057	26.53	ug/L	99
39) cis-1,3-Dichloropropene	9.929	75	120660	26.82	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	139639	61.50	ug/L	98
42) Toluene	10.246	91	331520	25.92	ug/L	98
44) trans-1,3-Dichloropropene	10.465	75	116180	27.35	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	58713	28.08	ug/L	97
46) Tetrachloroethene	10.721	164	62476	25.19	ug/L	95
48) 2-Hexanone	10.837	43	116602	65.82	ug/L	98
49) Dibromochloromethane	10.983	129	74172	28.25	ug/L	99
50) 1,2-Dibromoethane	11.093	107	55106	28.26	ug/L #	99
51) Chlorobenzene	11.520	112	200748	25.91	ug/L	99
52) Ethylbenzene	11.593	91	351108	25.74	ug/L	100
53) m,p-Xylene	11.703	106	134010	25.66	ug/L	98
54) o-Xylene	12.032	106	131113	26.20	ug/L	99
55) Styrene	12.044	104	231448	26.53	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.581	83	65338	28.66	ug/L	97
59) Bromoform	12.209	173	48944	27.67	ug/L #	97
60) Isopropylbenzene	12.331	105	347087	24.53	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	57312	27.87	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	288200	25.01	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	283624	24.94	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	156538	24.68	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	159304	24.98	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	145722	25.28	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.361	75	13892	28.04	ug/L	95
69) 1,3,5-Trichlorobenzene	14.507	180	111911	24.95	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	92577	25.53	ug/L	98
71) Naphthalene	15.239	128	200382	28.29	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	83858	26.62	ug/L	99

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

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