

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY006998.D
 Acq On : 07 Dec 2021 15:31
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV812

Quant Time: Dec 08 01:41:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 01:33:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	160623	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	175393	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	86379	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	93325	25.845	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.400%
7) Chloroethane-d5	2.772	69	67707	24.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.080%
11) 1,1-Dichloroethene-d2	3.857	63	135950	24.398	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.600%
21) 2-Butanone-d5	6.887	46	43441	41.532	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.060%
24) Chloroform-d	7.478	84	120064	23.575	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.280%
26) 1,2-Dichloroethane-d4	8.143	65	69683	22.857	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.440%
32) Benzene-d6	8.112	84	237207	20.689	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.760%
36) 1,2-Dichloropropane-d6	9.124	67	78339	20.265	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.080%
41) Toluene-d8	10.179	98	225914	21.347	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	10.441	79	36427	20.360	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.440%
47) 2-Hexanone-d5	10.788	63	37132	41.795	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.580%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	66252	20.022	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.080%
66) 1,2-Dichlorobenzene-d4	13.727	152	75921	22.862	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	25041	22.941	ug/L	90
3) Chloromethane	2.119	50	61262	22.589	ug/L	98
5) Vinyl chloride	2.260	62	101185	23.352	ug/L	96
6) Bromomethane	2.668	94	56669	22.291	ug/L	97
8) Chloroethane	2.808	64	57338	22.763	ug/L	93
9) Trichlorofluoromethane	3.131	101	67855	24.611	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	55638	23.775	ug/L	97
12) 1,1-Dichloroethene	3.875	96	57134	23.855	ug/L	90
13) Acetone	3.954	43	35251	39.018	ug/L	98
14) Carbon disulfide	4.198	76	185535	24.164	ug/L	98
15) Methyl Acetate	4.473	43	39953	21.155	ug/L #	64
16) Methylene chloride	4.716	84	67351	20.130	ug/L	99
17) trans-1,2-Dichloroethene	5.222	96	59986	24.065	ug/L	91
18) Methyl tert-butyl Ether	5.216	73	109760	22.498	ug/L	100
19) 1,1-Dichloroethane	6.021	63	124978	23.760	ug/L	99
20) cis-1,2-Dichloroethene	6.984	96	66918	24.346	ug/L	97
22) 2-Butanone	6.984	43	51144	40.207	ug/L	100
23) Bromochloromethane	7.332	128	26881	22.357	ug/L	89
25) Chloroform	7.509	83	117716	23.312	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	82885	23.017	ug/L	100
29) Cyclohexane	7.789	56	116676	21.341	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	99055	20.628	ug/L	99
31) Carbon tetrachloride	7.899	117	90104	20.627	ug/L	100
33) Benzene	8.161	78	267448	20.559	ug/L	100
34) Trichloroethene	8.941	95	65307	20.779	ug/L	98
35) Methylcyclohexane	9.185	83	114904	20.931	ug/L	100
37) 1,2-Dichloropropane	9.216	63	72716	20.235	ug/L	99
38) Bromodichloromethane	9.496	83	92015	20.638	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	111090	20.459	ug/L	100
40) 4-Methyl-2-pentanone	10.069	43	123220	38.633	ug/L	98
42) Toluene	10.246	91	295266	21.490	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	111598	22.174	ug/L	97
45) 1,1,2-Trichloroethane	10.648	97	58059	22.777	ug/L	98
46) Tetrachloroethene	10.721	164	64146	26.573	ug/L	98
48) 2-Hexanone	10.831	43	92177	42.329	ug/L	99
49) Dibromochloromethane	10.984	129	67939	23.299	ug/L	95
50) 1,2-Dibromoethane	11.093	107	52114	21.813	ug/L #	99
51) Chlorobenzene	11.520	112	195278	23.987	ug/L	97
52) Ethylbenzene	11.593	91	351118	23.274	ug/L	98
53) m,p-Xylene	11.703	106	131647	23.692	ug/L	99
54) o-Xylene	12.032	106	122252	23.242	ug/L	93
55) Styrene	12.044	104	214407	23.128	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.581	83	69011	20.375	ug/L	99
59) Bromoform	12.209	173	43707	24.647	ug/L	98
60) Isopropylbenzene	12.331	105	335151	25.337	ug/L	100
61) 1,2,3-Trichloropropane	12.636	75	51816	21.221	ug/L	99
62) 1,3,5-Trimethylbenzene	12.813	105	276251	25.993	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	274245	24.936	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	145380	23.920	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	144947	23.664	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	127067	23.048	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	10166	17.343	ug/L	94
69) 1,3,5-Trichlorobenzene	14.507	180	97027	21.756	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	77229	20.363	ug/L	98
71) Naphthalene	15.239	128	150416	18.539	ug/L	100
72) 1,2,3-Trichlorobenzene	15.428	180	65533	18.571	ug/L	98

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

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