

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012621\
 Data File : VY003938.D
 Acq On : 26 Jan 2021 14:37
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV537

Quant Time: Jan 27 05:21:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 26 14:06:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.703	114	228785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.495	117	219897	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	118781	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	102704	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.04%
7) Chloroethane-d5	2.771	69	65483	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.36%
11) 1,1-Dichloroethene-d2	3.869	63	165305	22.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.64%
21) 2-Butanone-d5	6.905	46	69548	47.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.50%
24) Chloroform-d	7.496	84	151273	22.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	8.154	65	94385	23.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	8.124	84	296494	22.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.04%
36) 1,2-Dichloropropane-d6	9.130	67	93400	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
41) Toluene-d8	10.185	98	282465	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloroprop...	10.441	79	48163	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.72%
47) 2-Hexanone-d5	10.794	63	53174	48.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.56%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	86663	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
66) 1,2-Dichlorobenzene-d4	13.720	152	103493	22.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.44%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	109613	24.73	ug/L	99
3) Chloromethane	2.119	50	121985	24.34	ug/L	100
5) Vinyl chloride	2.259	62	122475	25.30	ug/L	97
6) Bromomethane	2.662	94	64811	22.58	ug/L	98
8) Chloroethane	2.808	64	60628	19.97	ug/L	98
9) Trichlorofluoromethane	3.137	101	144293	24.43	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.917	101	81517	24.33	ug/L	99
12) 1,1-Dichloroethene	3.893	96	79202	24.49	ug/L	88
13) Acetone	3.960	43	53899	48.59	ug/L	95
14) Carbon disulfide	4.210	76	270351	24.32	ug/L	100
15) Methyl Acetate	4.497	43	65544	25.28	ug/L	94
16) Methylene chloride	4.734	84	90098	22.42	ug/L	91
17) trans-1,2-Dichloroethene	5.240	96	83452	24.50	ug/L	89
18) Methyl tert-butyl Ether	5.240	73	244170	25.39	ug/L #	95
19) 1,1-Dichloroethane	6.039	63	156971	24.81	ug/L	98
20) cis-1,2-Dichloroethene	7.002	96	91508	25.59	ug/L	85
22) 2-Butanone	7.002	43	86950	51.57	ug/L	94
23) Bromochloromethane	7.350	128	43128	25.14	ug/L	94
25) Chloroform	7.520	83	160874	25.20	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.252	62	120683	25.26	ug/L	97
29) Cyclohexane	7.795	56	153682	24.74	ug/L	94
30) 1,1,1-Trichloroethane	7.715	97	144608	24.61	ug/L	97
31) Carbon tetrachloride	7.911	117	129877	24.71	ug/L	98
33) Benzene	8.173	78	349272	24.78	ug/L	100
34) Trichloroethene	8.947	95	91770	24.47	ug/L	92
35) Methylcyclohexane	9.191	83	156171	25.02	ug/L	91
37) 1,2-Dichloropropane	9.221	63	92119	24.45	ug/L	99
38) Bromodichloromethane	9.502	83	124852	25.16	ug/L	95
39) cis-1,3-Dichloropropene	9.935	75	148404	25.12	ug/L	97
40) 4-Methyl-2-pentanone	10.075	43	195818	53.30	ug/L	96
42) Toluene	10.252	91	383658	24.95	ug/L	97
44) trans-1,3-Dichloropropene	10.471	75	140608	25.56	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	73880	25.83	ug/L	99
46) Tetrachloroethene	10.721	164	75512	24.36	ug/L	98
48) 2-Hexanone	10.837	43	142907	54.24	ug/L	97
49) Dibromochloromethane	10.989	129	89328	25.18	ug/L	98
50) 1,2-Dibromoethane	11.093	107	73995	26.36	ug/L	98
51) Chlorobenzene	11.520	112	239705	24.85	ug/L	97
52) Ethylbenzene	11.599	91	429483	25.00	ug/L	98
53) m,p-Xylene	11.703	106	159503	24.83	ug/L	83
54) o-Xylene	12.032	106	157185	25.57	ug/L	86
55) Styrene	12.044	104	274083	25.69	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.580	83	95459	25.88	ug/L	99
59) Bromoform	12.209	173	62793	25.33	ug/L #	96
60) Isopropylbenzene	12.331	105	410705	24.20	ug/L	98
61) 1,2,3-Trichloropropane	12.635	75	77565	25.88	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	367452	25.49	ug/L	96
63) 1,2,4-Trimethylbenzene	13.123	105	365294	25.74	ug/L	96
64) 1,3-Dichlorobenzene	13.367	146	195658	24.94	ug/L	98
65) 1,4-Dichlorobenzene	13.446	146	198021	25.22	ug/L	95
67) 1,2-Dichlorobenzene	13.739	146	181526	24.90	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.355	75	18842	25.75	ug/L	82
69) 1,3,5-Trichlorobenzene	14.501	180	145810	25.49	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	123837	26.12	ug/L	100
71) Naphthalene	15.239	128	274166	27.66	ug/L	98
72) 1,2,3-Trichlorobenzene	15.421	180	110743	26.86	ug/L	99

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

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