

Data File : VY001261.D
Acq On : 16 Jan 2020 13:17
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VICV826

Quant Time: Jan 17 03:15:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 03:10:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	323950	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	292793	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	140475	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	107528	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
7) Chloroethane-d5	2.76	69	100652	25.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.88%
11) 1,1-Dichloroethene-d2	3.86	63	197461	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.56%
21) 2-Butanone-d5	6.89	46	110072	56.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.32%
24) Chloroform-d	7.49	84	196951	27.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.28%
26) 1,2-Dichloroethane-d4	8.14	65	115283	27.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	8.11	84	429777	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
36) 1,2-Dichloropropane-d6	9.13	67	135079	28.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.12%
41) Toluene-d8	10.18	98	396966	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	10.44	79	66235	27.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.96%
47) 2-Hexanone-d5	10.79	63	94151	56.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.92%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	144451	27.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.52%
66) 1,2-Dichlorobenzene-d4	13.72	152	136799	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	126357	24.956	ug/L 100
3) Chloromethane	2.12	50	130832	23.652	ug/L 99
5) Vinyl chloride	2.26	62	152634	26.228	ug/L 99
6) Bromomethane	2.65	94	85029	25.112	ug/L 94
8) Chloroethane	2.80	64	78737	23.455	ug/L 97
9) Trichlorofluoromethane	3.13	101	152540	22.332	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	93074	21.947	ug/L 100
12) 1,1-Dichloroethene	3.88	96	96252	23.005	ug/L 97
13) Acetone	3.96	43	77798	34.395	ug/L 98
14) Carbon disulfide	4.20	76	328691	23.260	ug/L 100
15) Methyl Acetate	4.49	43	79928	22.866	ug/L 97
16) Methylene chloride	4.72	84	112351	20.760	ug/L 98
17) trans-1,2-Dichloroethene	5.23	96	106904	22.817	ug/L 97
18) Methyl tert-butyl Ether	5.23	73	291419	22.522	ug/L 100
19) 1,1-Dichloroethane	6.03	63	181100	22.639	ug/L 98
20) cis-1,2-Dichloroethene	7.00	96	119268	23.176	ug/L 94
22) 2-Butanone	6.99	43	116570	41.162	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	53667	23.590	ug/L	95
25) Chloroform	7.52	83	182915	23.109	ug/L	98
27) 1,2-Dichloroethane	8.24	62	128722	22.936	ug/L	99
29) Cyclohexane	7.79	56	184365	22.555	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	155968	23.744	ug/L	99
31) Carbon tetrachloride	7.90	117	132923	22.945	ug/L	98
33) Benzene	8.16	78	434805	23.297	ug/L	100
34) Trichloroethene	8.94	95	109921	23.080	ug/L	97
35) Methylcyclohexane	9.19	83	197574	22.508	ug/L	100
37) 1,2-Dichloropropane	9.22	63	109926	23.377	ug/L	100
38) Bromodichloromethane	9.50	83	140112	23.276	ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	185773	23.323	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	235945	46.216	ug/L	99
42) Toluene	10.24	91	462872	22.906	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	162293	23.950	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	93710	23.136	ug/L	96
46) Tetrachloroethene	10.72	164	85640	23.376	ug/L	93
48) 2-Hexanone	10.83	43	176355	45.036	ug/L	97
49) Dibromochloromethane	10.99	129	106526	24.334	ug/L	98
50) 1,2-Dibromoethane	11.09	107	94214	23.028	ug/L	99
51) Chlorobenzene	11.52	112	296145	23.130	ug/L	99
52) Ethylbenzene	11.59	91	528127	23.313	ug/L	99
53) m,p-Xylene	11.70	106	204182	23.198	ug/L	98
54) o-Xylene	12.03	106	193939	22.998	ug/L	99
55) Styrene	12.04	104	342177	23.180	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	134910	23.758	ug/L	99
59) Bromoform	12.20	173	69441	23.379	ug/L	99
60) Isopropylbenzene	12.33	105	511008	22.833	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	100898	23.099	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	428267	23.118	ug/L #	62
63) 1,2,4-Trimethylbenzene	13.12	105	432029	23.571	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	226744	22.841	ug/L	99
65) 1,4-Dichlorobenzene	13.44	146	228488	22.927	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	210588	22.918	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.36	75	25427	23.066	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	157254	23.055	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	139967	22.522	ug/L	99
71) Naphthalene	15.23	128	389580	22.498	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	127471	21.987	ug/L	98

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

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