

Data File : VV010922.D
Acq On : 16 May 2019 04:16
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Quant Time: May 16 08:15:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	147877	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	151545	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69798	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40260	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.48%
7) Chloroethane-d5	1.55	69	29099	23.70	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
10) 1,1-Dichloroethene-d2	2.11	63	74838	20.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.96%
20) 2-Butanone-d5	3.93	46	32332	54.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.10%
24) Chloroform-d	4.39	84	93915	22.00	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.07	65	58576	24.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.52%
29) Benzene-d6	5.09	84	203959	24.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.28%
33) 1,2-Dichloropropane-d6	6.11	67	64602	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.56%
37) Toluene-d8	7.36	98	190456	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.52%
38) trans-1,3-Dichloropropene-	7.66	79	26163	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.64%
39) 2-Hexanone-d5	8.13	63	21093	41.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	63203	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	67009	22.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	37220	22.687	ug/L	100
3) Chloromethane	1.24	50	43690	22.236	ug/L	99
5) Vinyl chloride	1.31	62	46428	21.947	ug/L	100
6) Bromomethane	1.50	94	10001	20.369	ug/L	96
8) Chloroethane	1.57	64	25621	23.418	ug/L	97
9) Trichlorofluoromethane	1.75	101	66967	22.115	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	40882	22.383	ug/L	97
12) 1,1-Dichloroethene	2.12	96	36631	21.496	ug/L	90
13) Acetone	2.18	43	23011	38.114	ug/L	97
14) Carbon disulfide	2.30	76	111666	21.755	ug/L	99
15) Methyl Acetate	2.45	43	28376	22.566	ug/L	97
16) Methylene chloride	2.52	84	56611	23.722	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	137339	24.683	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44434	21.889	ug/L	99
19) 1,1-Dichloroethane	3.22	63	92813	23.617	ug/L	99
21) 2-Butanone	4.01	43	39665	50.897	ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	55797	23.488	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	27350	24.716	ug/L	94
25) Chloroform	4.42	83	102914	24.140	ug/L	100
27) 1,2-Dichloroethane	5.17	62	69723	23.440	ug/L	99
30) Cyclohexane	4.72	56	61269	21.029	ug/L	96
31) 1,1,1-Trichloroethane	4.65	97	75052	22.802	ug/L	98
32) Carbon tetrachloride	4.87	117	63943	22.765	ug/L	99
34) Benzene	5.14	78	218265	24.711	ug/L	100
35) Trichloroethene	5.95	95	56115	24.512	ug/L	99
36) Methylcyclohexane	6.17	83	72933	22.894	ug/L	98
40) 1,2-Dichloropropane	6.22	63	58968	24.511	ug/L	100
41) Bromodichloromethane	6.55	83	74103	24.021	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	83592	23.817	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	89035	52.405	ug/L	96
44) Toluene	7.43	91	242497	24.698	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	72870	24.566	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	50682	26.158	ug/L	97
47) Tetrachloroethene	8.02	164	40562	23.979	ug/L	99
49) 2-Hexanone	8.18	43	59405	47.342	ug/L	97
50) Dibromochloromethane	8.29	129	57061	26.477	ug/L	99
51) 1,2-Dibromoethane	8.39	107	47551	26.051	ug/L	95
52) Chlorobenzene	8.92	112	162507	24.303	ug/L	100
53) Ethylbenzene	9.05	91	258654	24.047	ug/L	100
54) m,p-Xylene	9.18	106	99453	23.467	ug/L	99
55) o-xylene	9.59	106	99862	23.983	ug/L	97
56) Styrene	9.60	104	175714	24.611	ug/L	99
57) Isopropylbenzene	9.97	105	248338	23.827	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	65415	25.565	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	48125	25.958	ug/L	100
62) Bromoform	9.77	173	31050	28.499	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	112988	23.429	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	117844	23.588	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	116027	24.115	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9779	27.139	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	78572	22.356	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	63253	22.288	ug/L	100
69) Naphthalene	13.55	128	139135	23.404	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62930	23.299	ug/L	99

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

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