

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010375.D
 Acq On : 19 Apr 2019 07:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: Apr 19 09:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 09:02:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	315489	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315040	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	152510	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	86683	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.56%
7) Chloroethane-d5	1.56	69	82801	24.61	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
10) 1,1-Dichloroethene-d2	2.12	63	211171	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.40%
20) 2-Butanone-d5	3.93	46	68094	54.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.16%
24) Chloroform-d	4.39	84	204985	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	5.08	65	135635	27.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.80%
29) Benzene-d6	5.09	84	397001	24.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.48%
33) 1,2-Dichloropropane-d6	6.11	67	122381	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.72%
37) Toluene-d8	7.36	98	378890	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.76%
38) trans-1,3-Dichloropropene-	7.66	79	53628	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
39) 2-Hexanone-d5	8.13	63	50695	48.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	122326	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	152991	25.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	100609	21.024	ug/L	99
3) Chloromethane	1.25	50	90408	21.739	ug/L	98
5) Vinyl chloride	1.32	62	99341	22.866	ug/L	94
6) Bromomethane	1.51	94	61010	21.954	ug/L	97
8) Chloroethane	1.58	64	68129	24.604	ug/L	99
9) Trichlorofluoromethane	1.75	101	192926	21.622	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96175	20.462	ug/L	97
12) 1,1-Dichloroethene	2.13	96	91785	22.395	ug/L	89
13) Acetone	2.18	43	47313	35.934	ug/L	97
14) Carbon disulfide	2.31	76	214877	21.255	ug/L	98
15) Methyl Acetate	2.45	43	53832	25.048	ug/L	96
16) Methylene chloride	2.53	84	117964	23.409	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	274684	27.831	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	93701	24.101	ug/L	98
19) 1,1-Dichloroethane	3.22	63	173293	26.094	ug/L	98
21) 2-Butanone	4.01	43	67129	47.033	ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	113367	25.597	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	58290	26.297	ug/L	96
25) Chloroform	4.42	83	212780	27.493	ug/L	99
27) 1,2-Dichloroethane	5.17	62	150300	27.181	ug/L	99
30) Cyclohexane	4.72	56	110941	19.214	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	160582	23.120	ug/L	99
32) Carbon tetrachloride	4.87	117	140639	21.461	ug/L	99
34) Benzene	5.14	78	387955	25.235	ug/L	100
35) Trichloroethene	5.96	95	109339	24.039	ug/L	98
36) Methylcyclohexane	6.17	83	128493	19.401	ug/L	96
40) 1,2-Dichloropropane	6.22	63	103602	26.275	ug/L	99
41) Bromodichloromethane	6.55	83	142680	25.786	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	143576	24.143	ug/L	95
43) 4-Methyl-2-pentanone	7.27	43	156693	50.864	ug/L	100
44) Toluene	7.43	91	427294	24.655	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	133908	24.151	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	92588	26.064	ug/L	99
47) Tetrachloroethene	8.02	164	85180	20.988	ug/L	97
49) 2-Hexanone	8.18	43	99624	46.201	ug/L	96
50) Dibromochloromethane	8.29	129	114044	26.148	ug/L	96
51) 1,2-Dibromoethane	8.40	107	94683	26.877	ug/L	94
52) Chlorobenzene	8.92	112	300195	24.893	ug/L	98
53) Ethylbenzene	9.05	91	452818	22.997	ug/L	98
54) m,p-Xylene	9.18	106	172699	22.658	ug/L	98
55) o-xylene	9.59	106	180431	24.545	ug/L	96
56) Styrene	9.60	104	310924	24.771	ug/L	98
57) Isopropylbenzene	9.97	105	436666	22.293	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	114113	24.843	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	83654	25.150	ug/L	97
62) Bromoform	9.78	173	64409	27.319	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	225465	24.241	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	233001	24.297	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	226375	25.208	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	16690	23.255	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	157172	20.317	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	127979	20.701	ug/L	99
69) Naphthalene	13.55	128	251698	22.046	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	130343	21.697	ug/L	99

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

