

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010349.D
 Acq On : 18 Apr 2019 14:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Quant Time: Apr 19 06:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 13:50:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	319045	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	321077	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	171523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93593	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.40%
7) Chloroethane-d5	1.57	69	76419	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.84%
10) 1,1-Dichloroethene-d2	2.13	63	218983	22.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.60%
20) 2-Butanone-d5	3.93	46	72726	57.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.28%
24) Chloroform-d	4.40	84	212406	25.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	5.08	65	128624	25.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.92%
29) Benzene-d6	5.10	84	396623	24.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.52%
33) 1,2-Dichloropropane-d6	6.12	67	120734	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	7.36	98	394366	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.84%
38) trans-1,3-Dichloropropene-	7.66	79	57699	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
39) 2-Hexanone-d5	8.13	63	59627	55.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	129035	26.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	173300	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	111600	23.061	ug/L	98
3) Chloromethane	1.25	50	99027	23.546	ug/L	97
5) Vinyl chloride	1.32	62	100653	22.909	ug/L	100
6) Bromomethane	1.51	94	83895	29.853	ug/L	97
8) Chloroethane	1.59	64	63547	22.694	ug/L	96
9) Trichlorofluoromethane	1.76	101	205688	22.795	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103967	21.873	ug/L	98
12) 1,1-Dichloroethene	2.14	96	92406	22.295	ug/L	97
13) Acetone	2.19	43	60604	45.516	ug/L	99
14) Carbon disulfide	2.31	76	229982	22.496	ug/L	99
15) Methyl Acetate	2.46	43	54225	24.950	ug/L	96
16) Methylene chloride	2.53	84	107767	21.147	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	258446	25.894	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92518	23.531	ug/L	95
19) 1,1-Dichloroethane	3.23	63	168082	25.027	ug/L	97
21) 2-Butanone	4.02	43	75480	52.294	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	109175	24.376	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	58012	25.879	ug/L	99
25) Chloroform	4.42	83	194408	24.840	ug/L	99
27) 1,2-Dichloroethane	5.18	62	143248	25.617	ug/L	99
30) Cyclohexane	4.72	56	127988	21.750	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	162489	22.955	ug/L	98
32) Carbon tetrachloride	4.87	117	154122	23.076	ug/L	99
34) Benzene	5.15	78	373509	23.839	ug/L	100
35) Trichloroethene	5.96	95	108044	23.308	ug/L	99
36) Methylcyclohexane	6.18	83	152230	22.553	ug/L	98
40) 1,2-Dichloropropane	6.22	63	95956	23.878	ug/L	100
41) Bromodichloromethane	6.55	83	142891	25.339	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	162903	26.878	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	164014	52.239	ug/L	97
44) Toluene	7.43	91	427973	24.229	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	146299	25.890	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	91473	25.266	ug/L	99
47) Tetrachloroethene	8.02	164	92960	22.475	ug/L	96
49) 2-Hexanone	8.18	43	115031	52.343	ug/L #	97
50) Dibromochloromethane	8.29	129	120001	26.996	ug/L	100
51) 1,2-Dibromoethane	8.40	107	93304	25.988	ug/L	99
52) Chlorobenzene	8.93	112	300887	24.482	ug/L	98
53) Ethylbenzene	9.05	91	485983	24.217	ug/L	100
54) m,p-Xylene	9.18	106	189360	24.377	ug/L	91
55) o-xylene	9.59	106	186761	24.929	ug/L	95
56) Styrene	9.60	104	325304	25.429	ug/L	99
57) Isopropylbenzene	9.97	105	489722	24.531	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	118780	25.373	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	89264	26.332	ug/L	100
62) Bromoform	9.77	173	70936	26.752	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	258930	24.753	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	264281	24.504	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	254779	25.226	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20545	25.454	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	203963	23.443	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	171725	24.698	ug/L	97
69) Naphthalene	13.55	128	324341	25.260	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	166309	24.615	ug/L	99

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

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