

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\
 Data File : VV009978.D
 Acq On : 28 Mar 2019 21:02
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: Mar 29 02:25:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 29 02:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159694	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162213	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78447	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63554	19.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.44%
7) Chloroethane-d5	1.56	69	75409	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
10) 1,1-Dichloroethene-d2	2.13	63	199385	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.96%
20) 2-Butanone-d5	3.93	46	32281	53.46	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.92%
24) Chloroform-d	4.40	84	105653	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	5.08	65	64386	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	5.10	84	208931	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	6.12	67	64231	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
37) Toluene-d8	7.36	98	196606	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.52%
38) trans-1,3-Dichloropropene-	7.66	79	25021	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.16%
39) 2-Hexanone-d5	8.13	63	23346	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62404	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	73238	24.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	54635	22.098	ug/L	96
3) Chloromethane	1.25	50	59622	20.867	ug/L	95
5) Vinyl chloride	1.32	62	81080	21.824	ug/L	99
6) Bromomethane	1.51	94	73117	19.732	ug/L	99
8) Chloroethane	1.58	64	66743	20.854	ug/L	98
9) Trichlorofluoromethane	1.76	101	191916	24.223	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109575	23.794	ug/L	98
12) 1,1-Dichloroethene	2.14	96	93135	23.840	ug/L	96
13) Acetone	2.18	43	34959	38.236	ug/L	94
14) Carbon disulfide	2.31	76	115809	21.911	ug/L	97
15) Methyl Acetate	2.46	43	24319	22.708	ug/L	96
16) Methylene chloride	2.53	84	60829	23.130	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	124211	24.368	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	50115	23.950	ug/L	97
19) 1,1-Dichloroethane	3.23	63	94391	24.667	ug/L	99
21) 2-Butanone	4.01	43	37254	45.751	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	59913	25.932	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27314	25.603	ug/L	92
25) Chloroform	4.42	83	113472	26.819	ug/L	99
27) 1,2-Dichloroethane	5.18	62	77244	25.768	ug/L	100
30) Cyclohexane	4.72	56	76265	23.318	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	83330	25.669	ug/L	99
32) Carbon tetrachloride	4.87	117	72343	25.639	ug/L	96
34) Benzene	5.14	78	219447	24.636	ug/L	100
35) Trichloroethene	5.96	95	57066	24.287	ug/L	99
36) Methylcyclohexane	6.17	83	91804	24.903	ug/L	98
40) 1,2-Dichloropropane	6.22	63	59878	26.901	ug/L	100
41) Bromodichloromethane	6.55	83	70585	25.499	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	81537	25.125	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	79221	49.874	ug/L	99
44) Toluene	7.43	91	246440	25.096	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	66157	24.904	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	45958	24.965	ug/L	96
47) Tetrachloroethene	8.02	164	43853	23.652	ug/L	90
49) 2-Hexanone	8.18	43	52401	48.812	ug/L #	96
50) Dibromochloromethane	8.29	129	49045	25.694	ug/L	90
51) 1,2-Dibromoethane	8.40	107	45023	25.188	ug/L #	99
52) Chlorobenzene	8.92	112	159077	24.334	ug/L	98
53) Ethylbenzene	9.05	91	270138	24.938	ug/L	98
54) m,p-Xylene	9.18	106	103300	24.280	ug/L	90
55) o-xylene	9.59	106	106495	25.788	ug/L	99
56) Styrene	9.60	104	177041	24.959	ug/L	95
57) Isopropylbenzene	9.97	105	268336	25.047	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	62962	25.374	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	44201	24.681	ug/L	99
62) Bromoform	9.77	173	24478	24.259	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	118853	24.496	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	124846	23.676	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	120512	25.167	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7033	23.499	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	86408	25.076	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	64165	25.244	ug/L	98
69) Naphthalene	13.55	128	95996	22.720	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58875	24.360	ug/L	98

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

