

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010433.D
 Acq On : 23 Apr 2019 01:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Quant Time: Apr 23 07:02:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 06:57:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	442559	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	445899	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	241890	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118256	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.56%
7) Chloroethane-d5	1.57	69	98915	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.44%
10) 1,1-Dichloroethene-d2	2.13	63	230080	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.84%
20) 2-Butanone-d5	3.93	46	82444	57.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.66%
24) Chloroform-d	4.40	84	264063	24.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.68%
26) 1,2-Dichloroethane-d4	5.08	65	168262	25.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.44%
29) Benzene-d6	5.10	84	488778	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.12	67	152782	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	7.36	98	484719	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.44%
38) trans-1,3-Dichloropropene-	7.66	79	73686	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.56%
39) 2-Hexanone-d5	8.13	63	63802	52.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	155148	26.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	220138	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	138915	20.580	ug/L 99
3) Chloromethane	1.25	50	129227	23.074	ug/L 100
5) Vinyl chloride	1.33	62	142845	21.587	ug/L 98
6) Bromomethane	1.51	94	63548	18.422	ug/L 98
8) Chloroethane	1.59	64	87597	23.545	ug/L 98
9) Trichlorofluoromethane	1.76	101	238293	21.079	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	128601	20.318	ug/L 99
12) 1,1-Dichloroethene	2.14	96	120379	21.601	ug/L 98
13) Acetone	2.19	43	60151	39.364	ug/L 99
14) Carbon disulfide	2.32	76	257148	20.648	ug/L 99
15) Methyl Acetate	2.46	43	59902	26.337	ug/L 97
16) Methylene chloride	2.53	84	134002	20.647	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	344173	26.053	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	115824	23.499	ug/L 96
19) 1,1-Dichloroethane	3.23	63	220882	25.077	ug/L 100
21) 2-Butanone	4.02	43	83958	51.552	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	141356	25.439	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	71041	26.500	ug/L	99
25) Chloroform	4.42	83	274354	25.923	ug/L	99
27) 1,2-Dichloroethane	5.18	62	190360	25.643	ug/L	100
30) Cyclohexane	4.73	56	159585	20.201	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	219589	23.041	ug/L	98
32) Carbon tetrachloride	4.87	117	194223	21.502	ug/L	99
34) Benzene	5.15	78	494222	25.075	ug/L	100
35) Trichloroethene	5.96	95	144110	24.110	ug/L	99
36) Methylcyclohexane	6.18	83	180786	20.246	ug/L	100
40) 1,2-Dichloropropane	6.22	63	128192	26.428	ug/L	99
41) Bromodichloromethane	6.56	83	191456	25.590	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	214687	26.802	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	196755	54.619	ug/L	97
44) Toluene	7.43	91	565381	23.737	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	189225	25.873	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	115402	26.526	ug/L	99
47) Tetrachloroethene	8.02	164	112213	21.150	ug/L	98
49) 2-Hexanone	8.18	43	129891	50.789	ug/L	92
50) Dibromochloromethane	8.29	129	147217	25.102	ug/L	94
51) 1,2-Dibromoethane	8.40	107	114978	25.189	ug/L	96
52) Chlorobenzene	8.93	112	405044	24.256	ug/L	99
53) Ethylbenzene	9.05	91	662913	23.804	ug/L	98
54) m,p-Xylene	9.18	106	256399	23.486	ug/L	97
55) o-xylene	9.59	106	263430	24.225	ug/L	98
56) Styrene	9.60	104	453082	25.253	ug/L	98
57) Isopropylbenzene	9.97	105	678651	23.100	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	149248	26.482	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	109383	26.195	ug/L	99
62) Bromoform	9.78	173	87817	24.241	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	345393	24.416	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	343111	23.693	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	339377	24.688	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24843	27.267	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	268910	23.788	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	211312	24.780	ug/L	99
69) Naphthalene	13.55	128	355124	25.911	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	204447	25.903	ug/L	100

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

