

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041619\
 Data File : VV010341.D
 Acq On : 16 Apr 2019 20:20
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: Apr 16 23:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 15 01:59:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	299898	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	159929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70721	20.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
7) Chloroethane-d5	1.57	69	65596	22.11	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	2.13	63	186457	21.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.88%
20) 2-Butanone-d5	3.93	46	51496	58.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.90%
24) Chloroform-d	4.40	84	170496	24.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	99170	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.68%
29) Benzene-d6	5.10	84	325179	22.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.88%
33) 1,2-Dichloropropane-d6	6.12	67	99133	22.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.08%
37) Toluene-d8	7.36	98	319292	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.48%
38) trans-1,3-Dichloropropene-	7.66	79	42169	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.96%
39) 2-Hexanone-d5	8.13	63	39598	52.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	98236	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	144034	24.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	119808	24.929	ug/L	98
3) Chloromethane	1.25	50	98180	24.897	ug/L	98
5) Vinyl chloride	1.33	62	107562	25.365	ug/L	99
6) Bromomethane	1.52	94	90389	26.299	ug/L	99
8) Chloroethane	1.59	64	70005	26.474	ug/L	98
9) Trichlorofluoromethane	1.77	101	212352	24.725	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109626	23.843	ug/L	99
12) 1,1-Dichloroethene	2.14	96	95387	24.108	ug/L	95
13) Acetone	2.19	43	44373	47.538	ug/L	94
14) Carbon disulfide	2.32	76	236620	24.763	ug/L	98
15) Methyl Acetate	2.46	43	44116	26.536	ug/L	98
16) Methylene chloride	2.54	84	107729	18.343	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	229794	26.839	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	96544	25.680	ug/L	96
19) 1,1-Dichloroethane	3.23	63	163561	26.448	ug/L	97
21) 2-Butanone	4.02	43	56061	52.657	ug/L	74
22) cis-1,2-Dichloroethene	3.96	96	109691	26.815	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	55284	27.446	ug/L	94
25) Chloroform	4.43	83	193952	26.403	ug/L	99
27) 1,2-Dichloroethane	5.18	62	132113	28.102	ug/L	100
30) Cyclohexane	4.73	56	130252	22.917	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	161356	25.416	ug/L	98
32) Carbon tetrachloride	4.88	117	152364	25.755	ug/L	100
34) Benzene	5.15	78	374651	24.352	ug/L	100
35) Trichloroethene	5.96	95	111384	25.058	ug/L	100
36) Methylcyclohexane	6.18	83	158361	23.841	ug/L	98
40) 1,2-Dichloropropane	6.22	63	95089	25.260	ug/L	99
41) Bromodichloromethane	6.56	83	136201	27.153	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	147206	25.804	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	130856	53.708	ug/L	98
44) Toluene	7.43	91	434329	25.112	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	129402	27.028	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	85133	26.660	ug/L	95
47) Tetrachloroethene	8.02	164	96356	24.452	ug/L	93
49) 2-Hexanone	8.18	43	92144	57.521	ug/L	99
50) Dibromochloromethane	8.29	129	107651	27.559	ug/L	97
51) 1,2-Dibromoethane	8.40	107	82574	25.353	ug/L #	98
52) Chlorobenzene	8.93	112	306422	25.390	ug/L	100
53) Ethylbenzene	9.05	91	499707	26.201	ug/L	99
54) m,p-Xylene	9.18	106	194298	25.825	ug/L	99
55) o-xylene	9.59	106	190874	25.476	ug/L	94
56) Styrene	9.60	104	324648	27.215	ug/L	97
57) Isopropylbenzene	9.98	105	498685	26.188	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	102644	26.007	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	75513	25.997	ug/L	97
62) Bromoform	9.77	173	62725	27.025	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	253771	25.591	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	262163	25.981	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	245994	25.988	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	14025	26.191	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	198791	27.054	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	142455	28.294	ug/L	94
69) Naphthalene	13.55	128	205190	29.990	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	132513	28.379	ug/L	99

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

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