

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010065.D
 Acq On : 02 Apr 2019 17:50
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Manual Integrations
 APPROVED

sam
 4/5/2019 3:44:06 PM

Quant Time: Apr 03 06:43:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 17:59:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	297601	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	274811	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	140508	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102279	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.68%
7) Chloroethane-d5	1.58	69	123259	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	2.13	63	255558	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.72%
20) 2-Butanone-d5	3.94	46	50671m	44.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.38%
24) Chloroform-d	4.40	84	185739	24.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.08	65	102682	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	5.10	84	382009	26.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.24%
33) 1,2-Dichloropropane-d6	6.12	67	108181	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.88%
37) Toluene-d8	7.36	98	376555	27.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.68%
38) trans-1,3-Dichloropropene-	7.66	79	44535	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.08%
39) 2-Hexanone-d5	8.14	63	37008	43.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	100855	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	142383	26.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	113338	26.331	ug/L 100
3) Chloromethane	1.25	50	97905	25.524	ug/L 100
5) Vinyl chloride	1.32	62	112129	26.838	ug/L 98
6) Bromomethane	1.53	94	123431	26.117	ug/L 99
8) Chloroethane	1.59	64	110331	30.209	ug/L 97
9) Trichlorofluoromethane	1.77	101	233537	27.118	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131466	27.452	ug/L 99
12) 1,1-Dichloroethene	2.14	96	109475	26.907	ug/L 88
13) Acetone	2.20	43	53472	47.705	ug/L 98
14) Carbon disulfide	2.32	76	223845	26.510	ug/L 99
15) Methyl Acetate	2.46	43	42169	23.512	ug/L 99
16) Methylene chloride	2.54	84	100405	19.203	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	217529	24.963	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	95750	26.942	ug/L 98
19) 1,1-Dichloroethane	3.23	63	165059	27.336	ug/L 98
21) 2-Butanone	4.03	43	57958	47.214	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	105313	26.688	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49343	25.771	ug/L	91
25) Chloroform	4.42	83	184607	27.282	ug/L	99
27) 1,2-Dichloroethane	5.18	62	121795	26.386	ug/L	96
30) Cyclohexane	4.72	56	142294	28.684	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	161591	28.832	ug/L	99
32) Carbon tetrachloride	4.88	117	149032	29.750	ug/L	98
34) Benzene	5.15	78	376765	28.035	ug/L	100
35) Trichloroethene	5.96	95	108755	28.116	ug/L	98
36) Methylcyclohexane	6.17	83	171301	29.561	ug/L	99
40) 1,2-Dichloropropane	6.22	63	93677	27.588	ug/L	100
41) Bromodichloromethane	6.56	83	122455	27.731	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	145706	29.644	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	121682	48.434	ug/L	97
44) Toluene	7.43	91	427125	28.319	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	118557	28.361	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	79074	26.263	ug/L	96
47) Tetrachloroethene	8.02	164	92289	28.504	ug/L	96
49) 2-Hexanone	8.19	43	85582	47.693	ug/L	98
50) Dibromochloromethane	8.29	129	92840	27.507	ug/L	94
51) 1,2-Dibromoethane	8.40	107	78843	26.497	ug/L #	94
52) Chlorobenzene	8.93	112	287053	27.902	ug/L	97
53) Ethylbenzene	9.05	91	482843	29.194	ug/L	98
54) m,p-Xylene	9.18	106	191835	29.801	ug/L	93
55) o-xylene	9.59	106	179755	28.823	ug/L	95
56) Styrene	9.60	104	303353	29.405	ug/L	99
57) Isopropylbenzene	9.97	105	494171	30.046	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	97883	25.312	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	69271	24.981	ug/L	98
62) Bromoform	9.77	173	50822	25.717	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	233908	28.362	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	236251	27.500	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	217613	26.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13026	23.712	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	172566	28.177	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	136821	29.174	ug/L	99
69) Naphthalene	13.55	128	211883	27.155	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	123044	28.102	ug/L	97

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

