

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010743.D
 Acq On : 08 May 2019 23:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Quant Time: May 09 03:00:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	90705	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	95394	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47171	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31742	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
7) Chloroethane-d5	1.57	69	28226	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.36%
10) 1,1-Dichloroethene-d2	2.13	63	69195	22.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.56%
20) 2-Butanone-d5	3.93	46	21502	50.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.70%
24) Chloroform-d	4.40	84	65687	26.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.24%
26) 1,2-Dichloroethane-d4	5.08	65	41106	26.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.48%
29) Benzene-d6	5.10	84	124040	24.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.80%
33) 1,2-Dichloropropane-d6	6.12	67	39400	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	7.36	98	122233	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.68%
38) trans-1,3-Dichloropropene-	7.66	79	17267	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.68%
39) 2-Hexanone-d5	8.13	63	15602	46.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38395	25.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	45394	24.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	25963	20.667	ug/L	98
3) Chloromethane	1.25	50	36190	23.681	ug/L	96
5) Vinyl chloride	1.32	62	39551	22.289	ug/L	99
6) Bromomethane	1.52	94	24486	28.454	ug/L	97
8) Chloroethane	1.59	64	27583	24.960	ug/L	99
9) Trichlorofluoromethane	1.76	101	57695	21.599	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34410	22.564	ug/L	99
12) 1,1-Dichloroethene	2.14	96	32354	22.657	ug/L	88
13) Acetone	2.19	43	24849	37.960	ug/L	100
14) Carbon disulfide	2.31	76	80491	22.938	ug/L	100
15) Methyl Acetate	2.46	43	18715	23.932	ug/L	98
16) Methylene chloride	2.53	84	38461	27.424	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	92714	25.929	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	31550	24.443	ug/L	97
19) 1,1-Dichloroethane	3.23	63	63733	25.576	ug/L	98
21) 2-Butanone	4.02	43	26945	43.431	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	37924	25.720	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	17718	26.731	ug/L	97
25) Chloroform	4.43	83	71183	25.930	ug/L	99
27) 1,2-Dichloroethane	5.18	62	53655	26.740	ug/L	97
30) Cyclohexane	4.72	56	49406	20.650	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	54255	22.810	ug/L	98
32) Carbon tetrachloride	4.87	117	45206	21.819	ug/L	98
34) Benzene	5.15	78	140715	25.128	ug/L	100
35) Trichloroethene	5.96	95	37231	23.735	ug/L	98
36) Methylcyclohexane	6.18	83	52277	20.794	ug/L	99
40) 1,2-Dichloropropane	6.22	63	38179	25.629	ug/L	99
41) Bromodichloromethane	6.56	83	52256	25.529	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	58021	24.624	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	59010	47.058	ug/L	100
44) Toluene	7.43	91	162307	25.519	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	48355	24.371	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	32042	26.182	ug/L	96
47) Tetrachloroethene	8.02	164	25707	22.629	ug/L	97
49) 2-Hexanone	8.18	43	40565	42.549	ug/L	98
50) Dibromochloromethane	8.29	129	34693	24.652	ug/L	100
51) 1,2-Dibromoethane	8.40	107	30237	25.581	ug/L	99
52) Chlorobenzene	8.93	112	108875	26.202	ug/L	99
53) Ethylbenzene	9.06	91	183482	24.880	ug/L	99
54) m,p-Xylene	9.18	106	67987	24.676	ug/L	99
55) o-xylene	9.59	106	71863	26.296	ug/L	100
56) Styrene	9.60	104	120966	26.170	ug/L	97
57) Isopropylbenzene	9.97	105	180516	24.757	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	39439	24.597	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	30127	24.075	ug/L	98
62) Bromoform	9.77	173	18853	23.471	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	81754	24.898	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	82913	24.720	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	80500	25.242	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6245	21.103	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	58109	24.568	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	46050	25.162	ug/L	98
69) Naphthalene	13.55	128	97370	24.856	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	44323	25.819	ug/L	98

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

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