

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009162.D
 Acq On : 04 Jan 2019 15:16
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Quant Time: Jan 05 04:55:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:53:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	187689	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172008	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25838	20.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.52%
7) Chloroethane-d5	1.58	69	29188	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
10) 1,1-Dichloroethene-d2	2.13	63	95297	22.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.84%
20) 2-Butanone-d5	3.96	46	40201	44.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.02%
24) Chloroform-d	4.40	84	88408	22.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.08	65	48264	22.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.32%
29) Benzene-d6	5.10	84	169519	22.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.48%
33) 1,2-Dichloropropane-d6	6.12	67	49911	22.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.88%
37) Toluene-d8	7.36	98	159041	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.66	79	23329	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.52%
39) 2-Hexanone-d5	8.14	63	23330	44.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55607	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	63836	21.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	66601	22.075	ug/L	98
3) Chloromethane	1.25	50	45569	22.301	ug/L	100
5) Vinyl chloride	1.32	62	49049	22.418	ug/L	100
6) Bromomethane	1.54	94	34580	22.438	ug/L	96
8) Chloroethane	1.60	64	33654	24.959	ug/L	99
9) Trichlorofluoromethane	1.77	101	90100	22.462	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	60981	22.827	ug/L	97
12) 1,1-Dichloroethene	2.14	96	52511	22.665	ug/L	96
13) Acetone	2.22	43	56151	43.869	ug/L	99
14) Carbon disulfide	2.32	76	147551	22.288	ug/L	99
15) Methyl Acetate	2.47	43	37256	23.524	ug/L	100
16) Methylene chloride	2.53	84	57698	20.577	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	137584	24.245	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	56824	23.144	ug/L	97
19) 1,1-Dichloroethane	3.23	63	96582	23.688	ug/L	98
21) 2-Butanone	4.04	43	51469	45.973	ug/L #	89
22) cis-1,2-Dichloroethene	3.96	96	61180	23.309	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29483	23.875	ug/L	97
25) Chloroform	4.43	83	103987	23.950	ug/L	98
27) 1,2-Dichloroethane	5.18	62	69320	23.769	ug/L	100
30) Cyclohexane	4.73	56	86008	22.555	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	95975	22.950	ug/L	98
32) Carbon tetrachloride	4.87	117	89656	23.423	ug/L	99
34) Benzene	5.15	78	214748	23.224	ug/L	100
35) Trichloroethene	5.96	95	62502	23.462	ug/L	97
36) Methylcyclohexane	6.18	83	102758	23.086	ug/L	97
40) 1,2-Dichloropropane	6.22	63	52591	23.597	ug/L	99
41) Bromodichloromethane	6.56	83	72606	23.767	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	83640	23.682	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	99779	46.968	ug/L	96
44) Toluene	7.43	91	236791	23.752	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	74782	24.185	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	48309	24.524	ug/L	97
47) Tetrachloroethene	8.02	164	52795	22.875	ug/L	98
49) 2-Hexanone	8.20	43	72758	46.536	ug/L	97
50) Dibromochloromethane	8.29	129	59049	24.401	ug/L	96
51) 1,2-Dibromoethane	8.40	107	49762	24.159	ug/L	99
52) Chlorobenzene	8.93	112	159520	23.320	ug/L	99
53) Ethylbenzene	9.05	91	269235	23.880	ug/L	99
54) m,p-Xylene	9.18	106	102881	23.421	ug/L	97
55) o-xylene	9.59	106	97737	24.064	ug/L	98
56) Styrene	9.60	104	165650	24.180	ug/L	98
57) Isopropylbenzene	9.98	105	270664	24.018	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	63929	24.222	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	51008	24.180	ug/L	95
62) Bromoform	9.77	173	37530	24.320	ug/L	96
63) 1,3-Dichlorobenzene	11.22	146	128196	23.285	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	130171	22.682	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	123194	23.490	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13657	25.083	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	99921	22.504	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	81397	22.522	ug/L	99
69) Naphthalene	13.55	128	166695	22.644	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	76286	23.000	ug/L	99

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

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