

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022019\
 Data File : VV009313.D
 Acq On : 20 Feb 2019 21:38
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV74

Quant Time: Feb 21 03:56:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 21 03:53:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	123530	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117406	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57289	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40798	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	1.57	69	45634	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	2.13	63	107141	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.08%
20) 2-Butanone-d5	3.94	46	35596	61.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.78%
24) Chloroform-d	4.40	84	80724	28.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.56%
26) 1,2-Dichloroethane-d4	5.08	65	45219	29.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.28%
29) Benzene-d6	5.10	84	163914	27.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.36%
33) 1,2-Dichloropropane-d6	6.12	67	49198	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.56%
37) Toluene-d8	7.36	98	155693	27.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.12%
38) trans-1,3-Dichloropropene-	7.66	79	24093	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.28%
39) 2-Hexanone-d5	8.13	63	29546	61.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55196	29.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	59245	28.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	39859	27.645	ug/L	95
3) Chloromethane	1.25	50	46948	26.652	ug/L	98
5) Vinyl chloride	1.32	62	53348	26.706	ug/L	97
6) Bromomethane	1.53	94	49997	26.895	ug/L	100
8) Chloroethane	1.59	64	35089	20.810	ug/L	99
9) Trichlorofluoromethane	1.76	101	100626	26.757	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	58569	27.233	ug/L	98
12) 1,1-Dichloroethene	2.14	96	49637	27.387	ug/L	97
13) Acetone	2.20	43	31839	56.628	ug/L	97
14) Carbon disulfide	2.31	76	132402	27.300	ug/L	98
15) Methyl Acetate	2.46	43	24914	30.389	ug/L	94
16) Methylene chloride	2.53	84	43887	23.486	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	111497	27.773	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	43817	26.836	ug/L	99
19) 1,1-Dichloroethane	3.23	63	73199	26.991	ug/L	99
21) 2-Butanone	4.02	43	39528	61.368	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	50034	28.052	ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22497	27.561	ug/L	93
25) Chloroform	4.43	83	77806	26.962	ug/L	96
27) 1,2-Dichloroethane	5.18	62	53780	27.521	ug/L	96
30) Cyclohexane	4.73	56	72259	26.551	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	71593	27.002	ug/L	99
32) Carbon tetrachloride	4.87	117	59663	26.628	ug/L	99
34) Benzene	5.15	78	173128	26.969	ug/L	100
35) Trichloroethene	5.96	95	47743	26.738	ug/L	99
36) Methylcyclohexane	6.18	83	81560	26.113	ug/L	99
40) 1,2-Dichloropropane	6.22	63	42860	27.508	ug/L	99
41) Bromodichloromethane	6.56	83	59417	26.777	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	72518	27.425	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	74529	56.982	ug/L	98
44) Toluene	7.43	91	186847	26.243	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	61884	26.727	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	37327	26.903	ug/L	96
47) Tetrachloroethene	8.02	164	37633	26.966	ug/L	100
49) 2-Hexanone	8.19	43	61979	61.616	ug/L #	96
50) Dibromochloromethane	8.29	129	45164	26.997	ug/L	99
51) 1,2-Dibromoethane	8.40	107	39099	28.097	ug/L	97
52) Chlorobenzene	8.93	112	125581	27.087	ug/L	99
53) Ethylbenzene	9.06	91	215197	26.754	ug/L	99
54) m,p-Xylene	9.18	106	86174	27.457	ug/L	96
55) o-xylene	9.59	106	81432	27.642	ug/L	100
56) Styrene	9.60	104	135697	26.841	ug/L	99
57) Isopropylbenzene	9.98	105	218875	26.838	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	54661	27.918	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	39282	27.998	ug/L	98
62) Bromoform	9.78	173	29050	27.427	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	99187	26.952	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	99504	27.125	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	94012	27.245	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11410	29.774	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	74738	28.066	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	62815	28.910	ug/L	98
69) Naphthalene	13.55	128	155181	33.321	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	58886	29.366	ug/L	96

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

