

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010450.D
 Acq On : 23 Apr 2019 13:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Quant Time: Apr 24 02:13:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 02:09:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	692400	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	632979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	307255	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	156469	16.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.60%
7) Chloroethane-d5	1.56	69	127249	17.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.60%
10) 1,1-Dichloroethene-d2	2.12	63	350288	19.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.68%
20) 2-Butanone-d5	3.92	46	106381	47.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.38%
24) Chloroform-d	4.39	84	361767	21.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.07	65	210361	20.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.08%
29) Benzene-d6	5.09	84	813227	27.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.32%
33) 1,2-Dichloropropane-d6	6.11	67	219357	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.80%
37) Toluene-d8	7.36	98	792680	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.32%
38) trans-1,3-Dichloropropene-	7.66	79	102145	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	8.13	63	85007	49.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	210304	25.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	300149	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	234964	22.249	ug/L 99
3) Chloromethane	1.24	50	182793	20.862	ug/L 98
5) Vinyl chloride	1.31	62	189387	18.293	ug/L 100
6) Bromomethane	1.50	94	88985	16.488	ug/L 99
8) Chloroethane	1.58	64	104814	18.007	ug/L 100
9) Trichlorofluoromethane	1.75	101	351062	19.849	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	207622	20.966	ug/L 97
12) 1,1-Dichloroethene	2.13	96	179529	20.591	ug/L 93
13) Acetone	2.18	43	84508	35.348	ug/L 96
14) Carbon disulfide	2.31	76	420957	21.604	ug/L 99
15) Methyl Acetate	2.45	43	77386	21.747	ug/L 99
16) Methylene chloride	2.53	84	182748	17.998	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	453353	21.935	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	171846	22.284	ug/L 99
19) 1,1-Dichloroethane	3.22	63	307113	22.286	ug/L 98
21) 2-Butanone	4.01	43	113862	44.686	ug/L 98
22) cis-1,2-Dichloroethene	3.95	96	198969	22.887	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	95214	22.701	ug/L	96
25) Chloroform	4.42	83	365715	22.087	ug/L	100
27) 1,2-Dichloroethane	5.17	62	246837	21.253	ug/L #	95
30) Cyclohexane	4.72	56	305121	27.208	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	353216	26.109	ug/L	97
32) Carbon tetrachloride	4.87	117	327546	25.544	ug/L	99
34) Benzene	5.14	78	800715	28.618	ug/L	100
35) Trichloroethene	5.95	95	228986	26.987	ug/L	95
36) Methylcyclohexane	6.17	83	346794	27.359	ug/L	98
40) 1,2-Dichloropropane	6.22	63	189878	27.575	ug/L	99
41) Bromodichloromethane	6.55	83	266823	25.123	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	313945	27.610	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	247854	48.469	ug/L	95
44) Toluene	7.43	91	906499	26.811	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	263014	25.333	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	171206	27.722	ug/L	99
47) Tetrachloroethene	8.02	164	214422	28.470	ug/L	97
49) 2-Hexanone	8.18	43	161176	44.395	ug/L #	88
50) Dibromochloromethane	8.29	129	221721	26.632	ug/L	98
51) 1,2-Dibromoethane	8.39	107	173170	26.725	ug/L	97
52) Chlorobenzene	8.92	112	628159	26.500	ug/L	96
53) Ethylbenzene	9.05	91	1010519	25.562	ug/L	99
54) m,p-Xylene	9.18	106	398219	25.696	ug/L	91
55) o-xylene	9.59	106	378940	24.548	ug/L	99
56) Styrene	9.60	104	621227	24.391	ug/L	94
57) Isopropylbenzene	9.97	105	1032038	24.746	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	197752	24.717	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	140196	23.651	ug/L	99
62) Bromoform	9.77	173	130723	28.408	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	491186	27.336	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	488913	26.579	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	460293	26.360	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	26263	22.693	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	390095	27.167	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	303419	28.012	ug/L	98
69) Naphthalene	13.55	128	490413	28.170	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	282585	28.186	ug/L	99

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

