

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008900.D
 Acq On : 11 Dec 2018 15:35
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Quant Time: Dec 12 04:39:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	246644	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	215155	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101540	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65239	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.24%
7) Chloroethane-d5	1.58	69	62397	33.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	132.36%
10) 1,1-Dichloroethene-d2	2.13	63	162454	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.84%
20) 2-Butanone-d5	3.93	46	47433	51.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.08%
24) Chloroform-d	4.40	84	153703	25.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.68%
26) 1,2-Dichloroethane-d4	5.08	65	84199	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.08%
29) Benzene-d6	5.10	84	305029	25.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.52%
33) 1,2-Dichloropropane-d6	6.12	67	85770	25.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.00%
37) Toluene-d8	7.36	98	283455	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.96%
38) trans-1,3-Dichloropropene-	7.66	79	39073	26.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.72%
39) 2-Hexanone-d5	8.13	63	30668	49.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71809	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	90741	23.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	88982	22.009	ug/L 99
3) Chloromethane	1.25	50	64978	23.388	ug/L 99
5) Vinyl chloride	1.32	62	74234	23.935	ug/L 98
6) Bromomethane	1.53	94	44903	30.112	ug/L 100
8) Chloroethane	1.59	64	55629	32.024	ug/L 99
9) Trichlorofluoromethane	1.77	101	155325	29.238	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91831	25.204	ug/L 98
12) 1,1-Dichloroethene	2.14	96	79054	24.864	ug/L 96
13) Acetone	2.19	43	75060	54.824	ug/L 100
14) Carbon disulfide	2.32	76	251847	24.668	ug/L 100
15) Methyl Acetate	2.46	43	41393	23.843	ug/L 100
16) Methylene chloride	2.53	84	87662	21.106	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	187116	25.905	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	87285	25.406	ug/L 98
19) 1,1-Dichloroethane	3.23	63	142903	25.659	ug/L 99
21) 2-Butanone	4.01	43	70797	55.172	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	90434	25.245	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43798	25.941	ug/L	95
25) Chloroform	4.42	83	153744	25.722	ug/L	99
27) 1,2-Dichloroethane	5.18	62	102229	25.108	ug/L	97
30) Cyclohexane	4.72	56	131034	24.186	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	142997	25.778	ug/L	100
32) Carbon tetrachloride	4.87	117	131303	25.927	ug/L	99
34) Benzene	5.14	78	323771	25.117	ug/L	100
35) Trichloroethene	5.95	95	97911	25.194	ug/L	99
36) Methylcyclohexane	6.17	83	152322	24.576	ug/L	99
40) 1,2-Dichloropropane	6.22	63	76082	24.592	ug/L	100
41) Bromodichloromethane	6.55	83	106788	26.189	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	123409	27.246	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	98388	47.052	ug/L	100
44) Toluene	7.43	91	341327	25.249	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	104644	26.503	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	64507	25.024	ug/L	96
47) Tetrachloroethene	8.02	164	78899	24.964	ug/L	98
49) 2-Hexanone	8.18	43	84079	48.602	ug/L	98
50) Dibromochloromethane	8.29	129	80064	27.096	ug/L	98
51) 1,2-Dibromoethane	8.40	107	65458	25.287	ug/L	98
52) Chlorobenzene	8.93	112	223484	25.389	ug/L	100
53) Ethylbenzene	9.05	91	373499	25.468	ug/L	96
54) m,p-Xylene	9.18	106	141839	25.543	ug/L	100
55) o-xylene	9.59	106	133192	25.815	ug/L	98
56) Styrene	9.60	104	219388	26.359	ug/L	97
57) Isopropylbenzene	9.97	105	360598	25.716	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	70922	25.449	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	60553	25.113	ug/L	100
62) Bromoform	9.78	173	47600	25.964	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	159794	24.422	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	160590	23.851	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	147656	24.479	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12161	24.608	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	114220	24.169	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	83248	25.140	ug/L	98
69) Naphthalene	13.55	128	134776	23.630	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	77545	25.350	ug/L	98

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

