

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\
 Data File : VV009043.D
 Acq On : 19 Dec 2018 05:27
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

Quant Time: Dec 19 07:26:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 19 07:18:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	263281	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	241618	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120028	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53966	19.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.24%
7) Chloroethane-d5	1.58	69	51537	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.40%
10) 1,1-Dichloroethene-d2	2.13	63	134689	19.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.08%
20) 2-Butanone-d5	3.93	46	46405	46.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.56%
24) Chloroform-d	4.40	84	150347	23.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	87955	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	5.10	84	289580	21.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.84%
33) 1,2-Dichloropropane-d6	6.12	67	87231	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.36%
37) Toluene-d8	7.36	98	271855	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.08%
38) trans-1,3-Dichloropropene-	7.66	79	39171	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.40%
39) 2-Hexanone-d5	8.13	63	31749	45.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73924	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	113301	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	71162	16.489	ug/L	98
3) Chloromethane	1.25	50	60082	20.259	ug/L	99
5) Vinyl chloride	1.32	62	63211	19.093	ug/L	99
6) Bromomethane	1.53	94	47980	30.143	ug/L	100
8) Chloroethane	1.59	64	47422	25.575	ug/L	97
9) Trichlorofluoromethane	1.76	101	132680	23.397	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73823	18.981	ug/L	98
12) 1,1-Dichloroethene	2.14	96	68121	20.072	ug/L	96
13) Acetone	2.20	43	37504	25.662	ug/L	99
14) Carbon disulfide	2.32	76	214926	19.722	ug/L	100
15) Methyl Acetate	2.46	43	41146	22.203	ug/L	98
16) Methylene chloride	2.53	84	88189	19.892	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	191266	24.806	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	80866	22.050	ug/L	97
19) 1,1-Dichloroethane	3.23	63	138431	23.285	ug/L	98
21) 2-Butanone	4.02	43	48879	35.684	ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	91013	23.801	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45215	25.088	ug/L	95
25) Chloroform	4.42	83	158896	24.904	ug/L	99
27) 1,2-Dichloroethane	5.18	62	107983	24.845	ug/L	100
30) Cyclohexane	4.73	56	108323	17.804	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	127170	20.414	ug/L	99
32) Carbon tetrachloride	4.87	117	110982	19.514	ug/L	100
34) Benzene	5.15	78	314683	21.738	ug/L	100
35) Trichloroethene	5.96	95	92740	21.250	ug/L	98
36) Methylcyclohexane	6.18	83	127410	18.305	ug/L	98
40) 1,2-Dichloropropane	6.22	63	80393	23.140	ug/L	99
41) Bromodichloromethane	6.56	83	110010	24.024	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	124182	24.414	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	98929	42.129	ug/L	99
44) Toluene	7.43	91	338619	22.305	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	106603	24.042	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	70002	24.182	ug/L	98
47) Tetrachloroethene	8.02	164	76368	21.517	ug/L	97
49) 2-Hexanone	8.19	43	70396	36.236	ug/L	96
50) Dibromochloromethane	8.29	129	86218	25.983	ug/L	98
51) 1,2-Dibromoethane	8.40	107	69324	23.847	ug/L	100
52) Chlorobenzene	8.93	112	228897	23.156	ug/L	100
53) Ethylbenzene	9.06	91	362176	21.991	ug/L	98
54) m,p-Xylene	9.18	106	137052	21.978	ug/L	97
55) o-xylene	9.59	106	134217	23.165	ug/L	96
56) Styrene	9.60	104	222070	23.759	ug/L	97
57) Isopropylbenzene	9.98	105	337380	21.425	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	71484	22.842	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	62382	23.038	ug/L	100
62) Bromoform	9.78	173	47680	22.001	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	181274	23.438	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	184671	23.203	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	185549	26.023	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15191	26.005	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	121561	21.760	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	93664	23.929	ug/L	100
69) Naphthalene	13.55	128	171954	25.505	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	86758	23.993	ug/L	99

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

