

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\
 Data File : VV009010.D
 Acq On : 18 Dec 2018 12:33
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 µ/10.0mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: Dec 19 06:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 19 03:53:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	218082	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87432	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53411	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
7) Chloroethane-d5	1.58	69	54171	32.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.96%
10) 1,1-Dichloroethene-d2	2.13	63	128278	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.92%
20) 2-Butanone-d5	3.93	46	40102	48.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.62%
24) Chloroform-d	4.40	84	120512	22.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.96%
26) 1,2-Dichloroethane-d4	5.08	65	66599	23.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.12%
29) Benzene-d6	5.10	84	238451	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
33) 1,2-Dichloropropane-d6	6.11	67	67140	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.84%
37) Toluene-d8	7.36	98	218698	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.52%
38) trans-1,3-Dichloropropene-	7.66	79	30828	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	8.13	63	25150	45.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56500	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	68990	21.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	74656	20.884	ug/L	98
3) Chloromethane	1.25	50	57081	23.236	ug/L	100
5) Vinyl chloride	1.32	62	62011	22.612	ug/L	98
6) Bromomethane	1.53	94	36845	27.945	ug/L	99
8) Chloroethane	1.59	64	45004	29.301	ug/L	99
9) Trichlorofluoromethane	1.77	101	130919	27.872	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72079	22.374	ug/L	98
12) 1,1-Dichloroethene	2.14	96	63517	22.594	ug/L	96
13) Acetone	2.19	43	62714	51.806	ug/L	97
14) Carbon disulfide	2.32	76	204002	22.599	ug/L	98
15) Methyl Acetate	2.46	43	35926	23.404	ug/L	98
16) Methylene chloride	2.53	84	67596	18.407	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	143007	22.391	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	68274	22.475	ug/L	98
19) 1,1-Dichloroethane	3.23	63	110701	22.480	ug/L	99
21) 2-Butanone	4.01	43	60048	52.924	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	71862	22.688	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33866	22.685	µg/L	98
25) Chloroform	4.42	83	118831	22.485	µg/L	100
27) 1,2-Dichloroethane	5.18	62	79960	22.210	µg/L	99
30) Cyclohexane	4.72	56	107611	22.353	µg/L	100
31) 1,1,1-Trichloroethane	4.66	97	112106	22.743	µg/L	99
32) Carbon tetrachloride	4.87	117	102656	22.812	µg/L	99
34) Benzene	5.14	78	251842	21.986	µg/L	100
35) Trichloroethene	5.96	95	79899	23.137	µg/L	99
36) Methylcyclohexane	6.18	83	122783	22.294	µg/L	99
40) 1,2-Dichloropropane	6.22	63	60515	22.013	µg/L	99
41) Bromodichloromethane	6.55	83	82087	22.655	µg/L	98
42) cis-1,3-Dichloropropene	7.07	75	92005	22.860	µg/L	96
43) 4-Methyl-2-pentanone	7.27	43	81520	43.873	µg/L	100
44) Toluene	7.43	91	270350	22.506	µg/L	100
45) trans-1,3-Dichloropropene	7.69	75	82222	23.435	µg/L	95
46) 1,1,2-Trichloroethane	7.88	97	51881	22.650	µg/L	98
47) Tetrachloroethene	8.02	164	61964	22.064	µg/L	97
49) 2-Hexanone	8.19	43	69465	45.189	µg/L	99
50) Dibromochloromethane	8.29	129	62881	23.949	µg/L	99
51) 1,2-Dibromoethane	8.40	107	52632	22.881	µg/L #	97
52) Chlorobenzene	8.93	112	175122	22.389	µg/L	98
53) Ethylbenzene	9.05	91	292482	22.444	µg/L	99
54) m,p-Xylene	9.18	106	113328	22.967	µg/L	97
55) o-xylene	9.59	106	108184	23.597	µg/L	99
56) Styrene	9.60	104	173297	23.432	µg/L	98
57) Isopropylbenzene	9.98	105	290307	23.298	µg/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	54090	21.843	µg/L	98
59) 1,2,3-Trichloropropane	10.32	75	48458	22.616	µg/L	99
62) Bromoform	9.78	173	37861	23.984	µg/L	99
63) 1,3-Dichlorobenzene	11.23	146	125722	22.315	µg/L	97
64) 1,4-Dichlorobenzene	11.32	146	126202	21.768	µg/L	98
65) 1,2-Dichlorobenzene	11.69	146	112968	21.751	µg/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9051	21.270	µg/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	82920	20.377	µg/L	99
68) 1,2,4-trichlorobenzene	13.31	180	58553	20.536	µg/L	99
69) Naphthalene	13.55	128	96484	19.646	µg/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	53428	20.284	µg/L	99

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

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