

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120618\
 Data File : VV008862.D
 Acq On : 06 Dec 2018 16:38
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV68

Quant Time: Dec 07 01:20:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:18:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	202468	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	182935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53317	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	40001	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.36%
10) 1,1-Dichloroethene-d2	2.13	63	130143	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.36%
20) 2-Butanone-d5	3.93	46	42363	55.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.08%
24) Chloroform-d	4.40	84	120275	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	5.08	65	66562	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.24%
29) Benzene-d6	5.10	84	238336	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	6.12	67	67163	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	7.36	98	225252	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	31636	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.68%
39) 2-Hexanone-d5	8.13	63	29520	56.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62078	25.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	75623	23.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	70858	21.350	ug/L	100
3) Chloromethane	1.25	50	50201	22.012	ug/L	100
5) Vinyl chloride	1.32	62	57220	22.474	ug/L	99
6) Bromomethane	1.53	94	32192	26.299	ug/L	99
8) Chloroethane	1.59	64	32649	22.896	ug/L	99
9) Trichlorofluoromethane	1.77	101	118284	27.124	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70975	23.731	ug/L	99
12) 1,1-Dichloroethene	2.14	96	60808	23.299	ug/L	98
13) Acetone	2.19	43	67188	59.782	ug/L	100
14) Carbon disulfide	2.32	76	196287	23.421	ug/L	99
15) Methyl Acetate	2.46	43	37232	26.125	ug/L	99
16) Methylene chloride	2.53	84	71622	21.007	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	146546	24.715	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	66615	23.620	ug/L	98
19) 1,1-Dichloroethane	3.23	63	110220	24.109	ug/L	98
21) 2-Butanone	4.01	43	63688	60.461	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	69779	23.729	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33711	24.323	ug/L	97
25) Chloroform	4.43	83	118328	24.116	ug/L	99
27) 1,2-Dichloroethane	5.18	62	79521	23.792	ug/L	100
30) Cyclohexane	4.73	56	104378	22.659	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	108301	22.962	ug/L	99
32) Carbon tetrachloride	4.87	117	97283	22.593	ug/L	100
34) Benzene	5.15	78	251448	22.942	ug/L	100
35) Trichloroethene	5.96	95	74728	22.616	ug/L	99
36) Methylcyclohexane	6.18	83	121838	23.120	ug/L	99
40) 1,2-Dichloropropane	6.22	63	62977	23.942	ug/L	98
41) Bromodichloromethane	6.56	83	79931	23.055	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	93965	24.399	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	92571	52.067	ug/L	98
44) Toluene	7.43	91	268139	23.328	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81588	24.303	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	51813	23.640	ug/L	98
47) Tetrachloroethene	8.02	164	59972	22.318	ug/L	95
49) 2-Hexanone	8.18	43	85048	57.821	ug/L	95
50) Dibromochloromethane	8.29	129	60957	24.263	ug/L	98
51) 1,2-Dibromoethane	8.40	107	52907	24.038	ug/L	97
52) Chlorobenzene	8.93	112	175429	23.440	ug/L	98
53) Ethylbenzene	9.06	91	294287	23.601	ug/L	99
54) m,p-Xylene	9.18	106	111788	23.677	ug/L	98
55) o-xylene	9.59	106	106097	24.186	ug/L	100
56) Styrene	9.60	104	175527	24.804	ug/L	96
57) Isopropylbenzene	9.98	105	286649	24.042	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	60072	25.353	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	51722	25.228	ug/L	99
62) Bromoform	9.78	173	36783	23.475	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	131017	23.428	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	132045	22.946	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	123137	23.885	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10576	25.040	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	94947	23.506	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	67700	23.921	ug/L	99
69) Naphthalene	13.55	128	117187	24.040	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62853	24.040	ug/L	98

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

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