

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092619\
 Data File : VV012989.D
 Acq On : 26 Sep 2019 09:37
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Quant Time: Sep 27 02:04:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:28:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	852291	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	811146	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	436583	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	294169	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
7) Chloroethane-d5	1.58	69	248797	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	2.13	63	508891	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.56%
20) 2-Butanone-d5	3.94	46	185959	40.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.46%
24) Chloroform-d	4.40	84	519041	22.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	5.08	65	283532	20.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.32%
29) Benzene-d6	5.09	84	1067531	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
33) 1,2-Dichloropropane-d6	6.11	67	325846	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.80%
37) Toluene-d8	7.35	98	979345	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	132130	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.92%
39) 2-Hexanone-d5	8.13	63	126257	44.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	286448	21.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	370661	21.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	265335	28.269	ug/L 99
3) Chloromethane	1.25	50	309300	25.233	ug/L 100
5) Vinyl chloride	1.32	62	321388	26.557	ug/L 99
6) Bromomethane	1.54	94	188792	24.991	ug/L 99
8) Chloroethane	1.60	64	194095	26.100	ug/L 99
9) Trichlorofluoromethane	1.77	101	429907	26.265	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	262898	25.130	ug/L 99
12) 1,1-Dichloroethene	2.14	96	242232	25.142	ug/L 95
13) Acetone	2.21	43	222911	45.932	ug/L 100
14) Carbon disulfide	2.32	76	768864	24.983	ug/L 99
15) Methyl Acetate	2.47	43	152922	20.316	ug/L 97
16) Methylene chloride	2.53	84	285895	22.442	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	626393	22.158	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	276213	24.221	ug/L 98
19) 1,1-Dichloroethane	3.23	63	506778	24.351	ug/L 99
21) 2-Butanone	4.03	43	241703	42.795	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	295832	23.703	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	136709	22.175	ug/L	97
25) Chloroform	4.42	83	506675	23.220	ug/L	100
27) 1,2-Dichloroethane	5.17	62	342611	22.215	ug/L	99
30) Cyclohexane	4.72	56	484982	27.869	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	420542	26.196	ug/L	99
32) Carbon tetrachloride	4.87	117	378061	25.972	ug/L	99
34) Benzene	5.14	78	1155601	25.594	ug/L	100
35) Trichloroethene	5.95	95	307298	24.432	ug/L	99
36) Methylcyclohexane	6.17	83	523929	27.134	ug/L	99
40) 1,2-Dichloropropane	6.22	63	289319	24.640	ug/L	100
41) Bromodichloromethane	6.55	83	366255	24.353	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	429100	24.871	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	415574	43.079	ug/L	100
44) Toluene	7.43	91	1257720	26.411	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	353018	24.311	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	225754	22.647	ug/L	99
47) Tetrachloroethene	8.02	164	256648	25.105	ug/L	98
49) 2-Hexanone	8.18	43	331648	45.608	ug/L	97
50) Dibromochloromethane	8.29	129	265474	23.171	ug/L	100
51) 1,2-Dibromoethane	8.39	107	223690	22.899	ug/L	99
52) Chlorobenzene	8.92	112	798977	24.313	ug/L	99
53) Ethylbenzene	9.05	91	1390115	26.513	ug/L	99
54) m,p-Xylene	9.18	106	533136	26.746	ug/L	99
55) o-xylene	9.58	106	506425	26.664	ug/L	100
56) Styrene	9.60	104	884984	26.483	ug/L	98
57) Isopropylbenzene	9.97	105	1367290	27.393	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	271838	22.046	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	218505	21.470	ug/L	100
62) Bromoform	9.77	173	166367	22.456	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	658669	24.510	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	667343	23.661	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	613585	23.937	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45926	20.209	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	526180	25.031	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	443658	24.135	ug/L	99
69) Naphthalene	13.55	128	841984	22.773	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	420341	23.783	ug/L	99

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

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