

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\
 Data File : VV009959.D
 Acq On : 28 Mar 2019 11:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 12:40:59 AM

Quant Time: Mar 29 02:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 07:17:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	185010	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	178065	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88710	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78623	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
7) Chloroethane-d5	1.57	69	87358	21.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.16%
10) 1,1-Dichloroethene-d2	2.12	63	245756	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.72%
20) 2-Butanone-d5	3.94	46	34311	49.04	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.08%
24) Chloroform-d	4.40	84	115501	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	66710	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.08%
29) Benzene-d6	5.09	84	226871	24.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.04%
33) 1,2-Dichloropropane-d6	6.11	67	65463	23.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.72%
37) Toluene-d8	7.36	98	219458	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	7.66	79	26776	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.68%
39) 2-Hexanone-d5	8.14	63	26029	50.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	64377	23.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	74353	22.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	66843	23.337	ug/L 98
3) Chloromethane	1.25	50	93583	28.271	ug/L 100
5) Vinyl chloride	1.32	62	100376	23.321	ug/L 99
6) Bromomethane	1.53	94	105403m	24.552	ug/L
8) Chloroethane	1.59	64	72719	19.612	ug/L 99
9) Trichlorofluoromethane	1.76	101	244305	26.616	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	138667	25.991	ug/L 99
12) 1,1-Dichloroethene	2.13	96	114452	25.288	ug/L 97
13) Acetone	2.20	43	42857	40.460	ug/L 95
14) Carbon disulfide	2.31	76	148100	24.187	ug/L 100
15) Methyl Acetate	2.46	43	30068	24.234	ug/L 94
16) Methylene chloride	2.53	84	72515	23.801	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	133780	22.654	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	59070	24.367	ug/L 94
19) 1,1-Dichloroethane	3.23	63	108766	24.534	ug/L 97
21) 2-Butanone	4.03	43	42961	45.540	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	65838	24.597	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29770	24.087	ug/L	94
25) Chloroform	4.42	83	114735	23.407	ug/L	98
27) 1,2-Dichloroethane	5.18	62	80509	23.182	ug/L	99
30) Cyclohexane	4.72	56	100498	27.991	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	100480	28.197	ug/L	99
32) Carbon tetrachloride	4.87	117	85469	27.594	ug/L	99
34) Benzene	5.14	78	247982	25.361	ug/L	100
35) Trichloroethene	5.96	95	66589	25.817	ug/L	98
36) Methylcyclohexane	6.17	83	113486	28.044	ug/L	96
40) 1,2-Dichloropropane	6.22	63	57424	23.502	ug/L #	92
41) Bromodichloromethane	6.55	83	77050	25.357	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	88677	24.893	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	88293	50.637	ug/L	100
44) Toluene	7.43	91	279693	25.946	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	75079	25.746	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	48519	24.010	ug/L	98
47) Tetrachloroethene	8.02	164	52266	25.680	ug/L	92
49) 2-Hexanone	8.19	43	69204	58.725	ug/L	97
50) Dibromochloromethane	8.29	129	50171	23.944	ug/L	96
51) 1,2-Dibromoethane	8.40	107	49778	25.369	ug/L #	97
52) Chlorobenzene	8.92	112	176377	24.578	ug/L	97
53) Ethylbenzene	9.05	91	308072	25.908	ug/L	97
54) m,p-Xylene	9.18	106	117119	25.077	ug/L	90
55) o-xylene	9.59	106	111459	24.587	ug/L	98
56) Styrene	9.60	104	185198	23.784	ug/L	99
57) Isopropylbenzene	9.97	105	306931	26.099	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	67809	24.894	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	46529	23.668	ug/L	100
62) Bromoform	9.78	173	25813	22.622	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	132584	24.164	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	133779	22.435	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	124914	23.068	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8235	24.332	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	98287	25.224	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	73857	25.695	ug/L	98
69) Naphthalene	13.55	128	117448	24.581	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	69924	25.584	ug/L	98

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

