

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\
 Data File : VV009994.D
 Acq On : 29 Mar 2019 04:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: Mar 29 05:14:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 29 04:20:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189458	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194111	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	71808	18.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.72%
7) Chloroethane-d5	1.55	69	86950	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
10) 1,1-Dichloroethene-d2	2.12	63	197307	18.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.04%
20) 2-Butanone-d5	3.92	46	40212	56.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.26%
24) Chloroform-d	4.39	84	135459	28.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.24%
26) 1,2-Dichloroethane-d4	5.07	65	82656	28.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.80%
29) Benzene-d6	5.09	84	257967	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
33) 1,2-Dichloropropane-d6	6.12	67	82230	27.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.28%
37) Toluene-d8	7.36	98	238735	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.96%
38) trans-1,3-Dichloropropene-	7.66	79	30972	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
39) 2-Hexanone-d5	8.13	63	28411	51.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72264	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	81854	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	51929	17.704	ug/L	98
3) Chloromethane	1.24	50	60493	17.845	ug/L	100
5) Vinyl chloride	1.32	62	82364	18.687	ug/L	96
6) Bromomethane	1.51	94	82429	18.750	ug/L	99
8) Chloroethane	1.57	64	71341	18.789	ug/L	99
9) Trichlorofluoromethane	1.75	101	183851	19.559	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	87738	16.059	ug/L	98
12) 1,1-Dichloroethene	2.13	96	78664	16.973	ug/L	87
13) Acetone	2.18	43	27268	25.139	ug/L	92
14) Carbon disulfide	2.31	76	122450	19.528	ug/L	97
15) Methyl Acetate	2.45	43	29829	23.477	ug/L	97
16) Methylene chloride	2.53	84	71595	22.947	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	158229	26.165	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	56193	22.636	ug/L	94
19) 1,1-Dichloroethane	3.22	63	115572	25.457	ug/L	93
21) 2-Butanone	4.01	43	40464	41.886	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	69880	25.494	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33341	26.343	ug/L	90
25) Chloroform	4.42	83	132352	26.367	ug/L	100
27) 1,2-Dichloroethane	5.17	62	94654	26.615	ug/L	99
30) Cyclohexane	4.72	56	72922	18.632	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	91446	23.540	ug/L	100
32) Carbon tetrachloride	4.87	117	74199	21.975	ug/L	95
34) Benzene	5.14	78	257626	24.169	ug/L	100
35) Trichloroethene	5.96	95	64176	22.825	ug/L	99
36) Methylcyclohexane	6.17	83	81757	18.533	ug/L	98
40) 1,2-Dichloropropane	6.22	63	69479	26.085	ug/L #	92
41) Bromodichloromethane	6.55	83	88202	26.627	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	91976	23.685	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	92538	48.685	ug/L	99
44) Toluene	7.43	91	275605	23.454	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	79944	25.148	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	54776	24.865	ug/L	94
47) Tetrachloroethene	8.02	164	45474	20.496	ug/L	93
49) 2-Hexanone	8.18	43	57768	44.968	ug/L	95
50) Dibromochloromethane	8.29	129	57820	25.313	ug/L	98
51) 1,2-Dibromoethane	8.40	107	53104	24.827	ug/L	92
52) Chlorobenzene	8.92	112	184043	23.526	ug/L	98
53) Ethylbenzene	9.05	91	290958	22.446	ug/L	97
54) m,p-Xylene	9.18	106	109980	21.602	ug/L	85
55) o-xylene	9.59	106	111902	22.644	ug/L	98
56) Styrene	9.60	104	196551	23.156	ug/L	99
57) Isopropylbenzene	9.97	105	267849	20.893	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	70505	23.744	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	49663	23.174	ug/L	99
62) Bromoform	9.77	173	28819	26.008	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	124986	23.457	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	130204	22.485	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	124336	23.644	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7946	24.176	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	82891	21.905	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	59834	21.435	ug/L	97
69) Naphthalene	13.55	128	101139	21.797	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58482	22.034	ug/L	100

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

