

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040419\
 Data File : VV010122.D
 Acq On : 04 Apr 2019 21:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02580

Quant Time: Apr 05 02:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	254204	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	258509	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135591	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68305	20.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.28%
7) Chloroethane-d5	1.57	69	63859	15.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.44%
10) 1,1-Dichloroethene-d2	2.13	63	184232	21.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.84%
20) 2-Butanone-d5	3.93	46	48694	50.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.56%
24) Chloroform-d	4.40	84	152914	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	5.08	65	88192	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.44%
29) Benzene-d6	5.10	84	307688	22.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.80%
33) 1,2-Dichloropropane-d6	6.12	67	89958	22.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.96%
37) Toluene-d8	7.36	98	300979	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.20%
38) trans-1,3-Dichloropropene-	7.66	79	38726	22.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.60%
39) 2-Hexanone-d5	8.13	63	37273	46.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	95693	24.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	126756	24.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	82152	22.344	ug/L 100
3) Chloromethane	1.25	50	72310	22.070	ug/L 96
5) Vinyl chloride	1.32	62	78756	22.069	ug/L 96
6) Bromomethane	1.51	94	70216	17.394	ug/L 99
8) Chloroethane	1.59	64	52901	16.957	ug/L 97
9) Trichlorofluoromethane	1.76	101	172142	23.402	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99905	24.423	ug/L 99
12) 1,1-Dichloroethene	2.14	96	81329	23.401	ug/L 97
13) Acetone	2.19	43	41631	43.482	ug/L 98
14) Carbon disulfide	2.32	76	155949	21.622	ug/L 100
15) Methyl Acetate	2.46	43	37311	24.355	ug/L 94
16) Methylene chloride	2.53	84	87441	19.578	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	194824	26.175	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	72273	23.808	ug/L 99
19) 1,1-Dichloroethane	3.23	63	133786	25.939	ug/L 99
21) 2-Butanone	4.01	43	51088	48.723	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	84475	25.062	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43523	26.612	ug/L	95
25) Chloroform	4.43	83	157038	27.169	ug/L	99
27) 1,2-Dichloroethane	5.18	62	102879	26.093	ug/L	99
30) Cyclohexane	4.73	56	103061	22.085	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	126747	24.041	ug/L	98
32) Carbon tetrachloride	4.87	117	112546	23.884	ug/L	97
34) Benzene	5.14	78	307163	24.298	ug/L	100
35) Trichloroethene	5.96	95	87775	24.123	ug/L	98
36) Methylcyclohexane	6.17	83	126592	23.223	ug/L	100
40) 1,2-Dichloropropane	6.22	63	74524	23.332	ug/L	99
41) Bromodichloromethane	6.55	83	103603	24.941	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	113990	24.654	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	112007	47.395	ug/L	99
44) Toluene	7.43	91	348119	24.536	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	100844	25.645	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	68624	24.230	ug/L	98
47) Tetrachloroethene	8.02	164	74057	24.315	ug/L	92
49) 2-Hexanone	8.18	43	72197	42.771	ug/L	98
50) Dibromochloromethane	8.29	129	81489	25.666	ug/L	94
51) 1,2-Dibromoethane	8.40	107	69299	24.758	ug/L	98
52) Chlorobenzene	8.92	112	247737	25.599	ug/L	97
53) Ethylbenzene	9.05	91	383037	24.620	ug/L	100
54) m,p-Xylene	9.18	106	160118	26.442	ug/L	95
55) o-xylene	9.59	106	154214	26.287	ug/L	93
56) Styrene	9.60	104	262813	27.082	ug/L	100
57) Isopropylbenzene	9.97	105	401469	25.949	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	91156	25.059	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	65148	24.976	ug/L	99
62) Bromoform	9.77	173	45963	24.102	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	202321	25.422	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	205307	24.765	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	197939	25.317	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12182	22.980	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	151995	25.718	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	109571	24.210	ug/L	99
69) Naphthalene	13.55	128	155662	20.673	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	102375	24.229	ug/L	97

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

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