

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000937.D
 Acq On : 13 Dec 2019 10:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025250

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:47:31 PM

Quant Time: Dec 14 05:56:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 09:49:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	491951	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	445796	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	211326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	134661	17.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.88%
7) Chloroethane-d5	2.76	69	135353	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
11) 1,1-Dichloroethene-d2	3.85	63	300193	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.32%
21) 2-Butanone-d5	6.89	46	174956	53.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.34%
24) Chloroform-d	7.48	84	300803	23.46	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.14	65	166522	21.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.08%
32) Benzene-d6	8.11	84	631339	24.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	9.12	67	206800	26.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.28%
41) Toluene-d8	10.17	98	569941	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	10.44	79	93271	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.08%
47) 2-Hexanone-d5	10.78	63	143024	58.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.32%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	220840	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
66) 1,2-Dichlorobenzene-d4	13.72	152	198992	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	146696	21.455	ug/L	99
3) Chloromethane	2.12	50	187039	20.833	ug/L	97
5) Vinyl chloride	2.25	62	191031	22.788	ug/L	98
6) Bromomethane	2.65	94	82500	21.497	ug/L	91
8) Chloroethane	2.79	64	117834	22.777	ug/L	89
9) Trichlorofluoromethane	3.13	101	276649	23.388	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	174158	25.358	ug/L	97
12) 1,1-Dichloroethene	3.87	96	164628	25.193	ug/L	95
13) Acetone	3.95	43	98298	31.311	ug/L	97
14) Carbon disulfide	4.19	76	524244	25.298	ug/L	100
15) Methyl Acetate	4.48	43	150599	26.920	ug/L	96
16) Methylene chloride	4.71	84	198253	24.729	ug/L	98
17) trans-1,2-Dichloroethene	5.22	96	188101	25.903	ug/L	92
18) Methyl tert-butyl Ether	5.22	73	532112	25.714	ug/L	96
19) 1,1-Dichloroethane	6.02	63	335608	26.367	ug/L	94
20) cis-1,2-Dichloroethene	6.99	96	211769	26.048	ug/L	97
22) 2-Butanone	6.99	43	191635	39.841	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	89751	24.557	ug/L	97
25) Chloroform	7.51	83	333581	25.375	ug/L	99
27) 1,2-Dichloroethane	8.24	62	220955	23.530	ug/L	98
29) Cyclohexane	7.78	56	335336	27.538	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	276563	25.718	ug/L	99
31) Carbon tetrachloride	7.90	117	238969	24.098	ug/L	99
33) Benzene	8.16	78	785507	26.829	ug/L	100
34) Trichloroethene	8.94	95	208120	26.935	ug/L	94
35) Methylcyclohexane	9.18	83	356192	26.838	ug/L	98
37) 1,2-Dichloropropane	9.22	63	207878	27.830	ug/L	99
38) Bromodichloromethane	9.50	83	252470	26.566	ug/L	99
39) cis-1,3-Dichloropropene	9.92	75	333907	27.897	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	427385	51.922	ug/L	96
42) Toluene	10.24	91	839771	26.858	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	280265	26.496	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	172780	27.248	ug/L	94
46) Tetrachloroethene	10.72	164	145694	24.701	ug/L	98
48) 2-Hexanone	10.83	43	311228	48.367	ug/L	95
49) Dibromochloromethane	10.98	129	186045	26.038	ug/L	100
50) 1,2-Dibromoethane	11.08	107	170870	26.644	ug/L #	100
51) Chlorobenzene	11.51	112	522092	26.142	ug/L	97
52) Ethylbenzene	11.59	91	939076	26.328	ug/L	100
53) m,p-Xylene	11.70	106	359008	26.266	ug/L	97
54) o-Xylene	12.02	106	342926	25.833	ug/L	97
55) Styrene	12.04	104	599581	26.709	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	222631	25.901	ug/L	98
59) Bromoform	12.20	173	117439	26.209	ug/L	99
60) Isopropylbenzene	12.33	105	904347	26.883	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	183059	27.363	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	747287m	27.107	ug/L	
63) 1,2,4-Trimethylbenzene	13.11	105	730435	26.870	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	390858	25.920	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	388584	25.611	ug/L	99
67) 1,2-Dichlorobenzene	13.74	146	370293	26.219	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	40605	26.220	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	278573	26.764	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	246139	25.963	ug/L	98
71) Naphthalene	15.23	128	673733	27.203	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	229002	26.074	ug/L	98

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

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