

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000538.D
 Acq On : 05 Nov 2019 16:00
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025841

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:58:18 AM

Quant Time: Nov 06 07:18:16 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 07:01:34 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	370899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	344725	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	171277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	130581	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
7) Chloroethane-d5	2.76	69	112454	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
11) 1,1-Dichloroethene-d2	3.86	63	233750	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.36%
21) 2-Butanone-d5	6.90	46	103419	41.69	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.38%
24) Chloroform-d	7.49	84	228898	23.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	8.15	65	135633	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
32) Benzene-d6	8.12	84	469867	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
36) 1,2-Dichloropropane-d6	9.13	67	147556	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	10.18	98	431002	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
43) trans-1,3-Dichloropropene-	10.44	79	71715	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.56%
47) 2-Hexanone-d5	10.79	63	83177	43.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.48%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	150672	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
66) 1,2-Dichlorobenzene-d4	13.72	152	158496	23.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	114837	22.277 ug/L	97
3) Chloromethane	2.12	50	153979	22.749 ug/L	98
5) Vinyl chloride	2.25	62	153864	24.345 ug/L	100
6) Bromomethane	2.65	94	80477	27.814 ug/L	96
8) Chloroethane	2.80	64	94218	24.156 ug/L	95
9) Trichlorofluoromethane	3.13	101	216314	24.256 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	126170	24.367 ug/L	100
12) 1,1-Dichloroethene	3.88	96	119142	24.183 ug/L	95
13) Acetone	3.96	43	84166	35.560 ug/L	95
14) Carbon disulfide	4.19	76	385493	24.673 ug/L	99
15) Methyl Acetate	4.48	43	89769	21.283 ug/L	98
16) Methylene chloride	4.72	84	134844	22.310 ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	132247	24.155 ug/L	89
18) Methyl tert-butyl Ether	5.22	73	369823	23.705 ug/L	99
19) 1,1-Dichloroethane	6.02	63	234723	24.459 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	149802	24.440 ug/L	96
22) 2-Butanone	7.00	43	144474	39.839 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	66788	24.239	ug/L	95
25) Chloroform	7.52	83	242034	24.421	ug/L	98
27) 1,2-Dichloroethane	8.24	62	172037	24.300	ug/L	98
29) Cyclohexane	7.79	56	224893	23.883	ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	212687	25.577	ug/L	99
31) Carbon tetrachloride	7.91	117	189497	24.712	ug/L	99
33) Benzene	8.17	78	556160	24.565	ug/L	100
34) Trichloroethene	8.94	95	143628	24.039	ug/L	96
35) Methylcyclohexane	9.19	83	244775	23.850	ug/L	98
37) 1,2-Dichloropropane	9.22	63	137903	23.875	ug/L #	95
38) Bromodichloromethane	9.50	83	181799	24.738	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	230547	24.909	ug/L	99
40) 4-Methyl-2-pentanone	10.07	43	282265	44.345	ug/L	99
42) Toluene	10.25	91	595595	24.634	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	201686	24.658	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	117376	23.938	ug/L	96
46) Tetrachloroethene	10.72	164	111159	24.372	ug/L	97
48) 2-Hexanone	10.83	43	217798	43.771	ug/L	99
49) Dibromochloromethane	10.99	129	138426	25.054	ug/L	96
50) 1,2-Dibromoethane	11.09	107	120066	24.211	ug/L #	97
51) Chlorobenzene	11.52	112	383019	24.801	ug/L	100
52) Ethylbenzene	11.59	91	675655	24.496	ug/L	100
53) m,p-Xylene	11.70	106	261773	24.767	ug/L	99
54) o-Xylene	12.03	106	251658	24.516	ug/L	100
55) Styrene	12.05	104	425926	24.536	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	157852	23.749	ug/L	99
59) Bromoform	12.20	173	88150	24.272	ug/L	98
60) Isopropylbenzene	12.33	105	660603	24.229	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	123967	22.863	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	547951m	24.524	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	533823	24.229	ug/L	94
64) 1,3-Dichlorobenzene	13.36	146	291352	23.839	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	291764	23.726	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	274901	24.016	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.36	75	28141	22.420	ug/L	98
69) 1,3,5-Trichlorobenzene	14.50	180	206715	24.504	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	187912	24.456	ug/L	99
71) Naphthalene	15.23	128	471308	23.479	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	174675	24.539	ug/L	99

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

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