

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112320\
 Data File : VY003592.D
 Acq On : 23 Nov 2020 16:14
 Operator : SY/MD
 Sample : L4485-02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
 APPROVED

apatel
 12/9/2020 6:18:20 AM

Quant Time: Nov 24 08:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 24 07:59:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	211174	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	197062	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	92897	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	72138	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.77	69	55942	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
11) 1,1-Dichloroethene-d2	3.85	63	117353	18.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.32%
21) 2-Butanone-d5	6.90	46	61680	48.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.78%
24) Chloroform-d	7.48	84	142054	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.14	65	80430	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
32) Benzene-d6	8.11	84	308023	24.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	9.12	67	91359	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	10.17	98	273609	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	10.44	79	42926	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
47) 2-Hexanone-d5	10.78	63	47489	49.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.14%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	80050	24.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.28%
66) 1,2-Dichlorobenzene-d4	13.72	152	85911	26.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	1066	0.944 ug/L #	84
3) Chloromethane	2.11	50	3123	1.462 ug/L #	76
5) Vinyl chloride	2.25	62	4051	1.346 ug/L #	27
6) Bromomethane	2.66	94	2647	1.202 ug/L	93
8) Chloroethane	2.80	64	2512	1.335 ug/L #	81
9) Trichlorofluoromethane	3.13	101	2720	1.238 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4536m	1.574 ug/L	
12) 1,1-Dichloroethene	3.87	96	4555	1.486 ug/L #	1
13) Acetone	3.96	43	2967	3.488 ug/L	75
14) Carbon disulfide	4.20	76	12400	1.273 ug/L	97
15) Methyl Acetate	4.49	43	3000m	1.328 ug/L	
16) Methylene chloride	4.71	84	15327	3.711 ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	4156	1.280 ug/L	95
18) Methyl tert-butyl Ether	5.22	73	5932	1.228 ug/L #	71
19) 1,1-Dichloroethane	6.02	63	7077	1.282 ug/L #	91
20) cis-1,2-Dichloroethene	6.99	96	4222m	1.247 ug/L	
22) 2-Butanone	7.00	43	4979	3.448 ug/L #	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	2029	1.248	ug/L	85
25) Chloroform	7.50	83	7611	1.388	ug/L	98
27) 1,2-Dichloroethane	8.24	62	4878	1.322	ug/L	100
29) Cyclohexane	7.78	56	5482	1.133	ug/L #	62
30) 1,1,1-Trichloroethane	7.71	97	5253	1.233	ug/L	98
31) Carbon tetrachloride	7.89	117	4868m	1.168	ug/L	
33) Benzene	8.16	78	15660	1.211	ug/L	100
34) Trichloroethene	8.94	95	4091	1.276	ug/L	86
35) Methylcyclohexane	9.18	83	5787	1.149	ug/L	94
37) 1,2-Dichloropropane	9.22	63	4138	1.264	ug/L	98
38) Bromodichloromethane	9.50	83	5164	1.243	ug/L	95
39) cis-1,3-Dichloropropene	9.92	75	6163	1.218	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	6543	2.378	ug/L	97
42) Toluene	10.24	91	16700	1.229	ug/L	94
44) trans-1,3-Dichloropropene	10.46	75	6271m	1.336	ug/L	
45) 1,1,2-Trichloroethane	10.64	97	3370	1.272	ug/L	92
46) Tetrachloroethene	10.71	164	3272	1.164	ug/L	86
48) 2-Hexanone	10.83	43	4895	2.297	ug/L #	95
49) Dibromochloromethane	10.98	129	3754	1.208	ug/L	92
50) 1,2-Dibromoethane	11.08	107	2935	1.131	ug/L #	93
51) Chlorobenzene	11.51	112	11187	1.294	ug/L #	87
52) Ethylbenzene	11.59	91	16176	1.167	ug/L	96
53) m,p-Xylene	11.70	106	6429	1.202	ug/L	94
54) o-Xylene	12.03	106	5263	1.164	ug/L	91
55) Styrene	12.04	104	9253	1.046	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.58	83	4310	1.351	ug/L #	85
59) Bromoform	12.20	173	2368	1.198	ug/L	93
60) Isopropylbenzene	12.33	105	11148	1.189	ug/L #	97
61) 1,2,3-Trichloropropane	12.63	75	3140	1.391	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	8195	1.189	ug/L	97
63) 1,2,4-Trimethylbenzene	13.11	105	8712	1.192	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	7687	1.291	ug/L	89
65) 1,4-Dichlorobenzene	13.44	146	8237	1.329	ug/L	96
67) 1,2-Dichlorobenzene	13.73	146	6729	1.337	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	641m	1.585	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	4003	1.246	ug/L #	91
70) 1,2,4-trichlorobenzene	15.00	180	3246	1.168	ug/L #	88
71) Naphthalene	15.23	128	5640	1.123	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	2496	1.188	ug/L	95

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

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