

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030724\
 Data File : VX040610.D
 Acq On : 06 Mar 2024 17:44
 Operator : JC/MD
 Sample : P1601-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Mar 07 03:25:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 01:31:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	148337	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	141829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	69902	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	65895	50.677	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.360%
7) Chloroethane-d5	1.666	69	53550	51.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.160%
11) 1,1-Dichloroethene-d2	2.306	65	29950	50.036	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.080%
21) 2-Butanone-d5	4.452	46	107245	107.480	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.480%
24) Chloroform-d	5.062	84	121508	50.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.640%
26) 1,2-Dichloroethane-d4	5.958	65	90905	50.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
32) Benzene-d6	5.976	84	228550	52.525	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.040%
36) 1,2-Dichloropropane-d6	7.312	67	69674	51.665	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.340%
41) Toluene-d8	8.647	98	208563	49.737	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.480%
43) trans-1,3-Dichloroprop...	8.952	79	35958	50.098	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.200%
47) 2-Hexanone-d5	9.384	63	76840	103.265	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.260%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	103520	51.270	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.540%
66) 1,2-Dichlorobenzene-d4	12.323	152	77118	52.674	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3435	2.594	ug/L	99
3) Chloromethane	1.300	50	2906	2.525	ug/L	96
5) Vinyl chloride	1.374	62	3342	2.684	ug/L #	78
6) Bromomethane	1.611	94	1887	2.855	ug/L	89
8) Chloroethane	1.685	64	1796	2.516	ug/L	90
9) Trichlorofluoromethane	1.886	101	5074	2.929	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3564	3.468	ug/L #	80
12) 1,1-Dichloroethene	2.313	96	2983	3.299	ug/L #	1
13) Acetone	2.380	43	3340	4.687	ug/L	97
14) Carbon disulfide	2.514	76	6848	2.617	ug/L	96
15) Methyl Acetate	2.709	43	2879	2.393	ug/L #	75
16) Methylene chloride	2.788	84	2732	2.744	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	2426	2.614	ug/L	73
18) Methyl tert-butyl Ether	3.123	73	7678	2.392	ug/L	99
19) 1,1-Dichloroethane	3.611	63	4419	2.450	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	2707	2.601	ug/L	93
22) 2-Butanone	4.574	43	4610m	4.886	ug/L	
23) Bromochloromethane	4.910	128	1363	2.567	ug/L #	70
25) Chloroform	5.092	83	8905	4.375	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	4776	2.670	ug/L	98
29) Cyclohexane	5.477	56	3870	2.483	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	4262	2.413	ug/L	96
31) Carbon tetrachloride	5.684	117	3368m	2.272	ug/L	
33) Benzene	6.037	78	9063	2.379	ug/L	100
35) Methylcyclohexane	7.385	83	4060	2.470	ug/L	97
37) 1,2-Dichloropropane	7.440	63	2452	2.431	ug/L #	94
38) Bromodichloromethane	7.824	83	3644	2.443	ug/L #	90
39) cis-1,3-Dichloropropene	8.372	75	4114	2.423	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	7902	4.570	ug/L	99
42) Toluene	8.720	91	10323	2.470	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	3877	2.344	ug/L	88
45) 1,1,2-Trichloroethane	9.153	97	2479	2.381	ug/L	88
46) Tetrachloroethene	9.275	164	2137	2.646	ug/L	96
48) 2-Hexanone	9.433	43	7288	5.086	ug/L	99
49) Dibromochloromethane	9.525	129	2471	2.271	ug/L	74
50) 1,2-Dibromoethane	9.610	107	2751	2.457	ug/L #	96
51) Chlorobenzene	10.079	112	6661	2.460	ug/L	99
52) Ethylbenzene	10.195	91	11703	2.383	ug/L	97
53) m,p-Xylene	10.305	106	4213	2.359	ug/L	94
54) o-Xylene	10.640	106	3719	2.170	ug/L	100
55) Styrene	10.659	104	7157	2.396	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	4336	2.527	ug/L	93
59) Bromoform	10.799	173	1777	2.192	ug/L	96
60) Isopropylbenzene	10.963	105	10823	2.306	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	3557	2.554	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	9004	2.314	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	8325	2.140	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	5211	2.536	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	5861	2.805	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	5382	2.755	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	914m	2.241	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3663	2.656	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	3393	2.653	ug/L	94
71) Naphthalene	13.774	128	9404	2.313	ug/L	95
72) 1,2,3-Trichlorobenzene	13.963	180	3163	2.511	ug/L	96

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

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