

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073124\
 Data File : VX042761.D
 Acq On : 31 Jul 2024 10:34
 Operator : JC/MD
 Sample : P3391-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-06

Quant Time: Aug 01 01:47:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML072624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 01:44:51 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	113610	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	107941	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	47630	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	22496	32.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.180%
7) Chloroethane-d5	1.648	69	14232	50.039	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.080%
11) 1,1-Dichloroethene-d2	2.294	65	14988	44.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.140%
21) 2-Butanone-d5	4.464	46	46749	91.385	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.380%
24) Chloroform-d	5.062	84	74673	49.427	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.860%
26) 1,2-Dichloroethane-d4	5.952	65	51517	52.856	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.720%
32) Benzene-d6	5.970	84	142255	47.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.980%
36) 1,2-Dichloropropane-d6	7.305	67	41665	46.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.980%
41) Toluene-d8	8.647	98	134783	50.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.360%
43) trans-1,3-Dichloroprop...	8.951	79	19771	47.651	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.300%
47) 2-Hexanone-d5	9.384	63	36681	92.534	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.530%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	66659	52.217	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.440%
66) 1,2-Dichlorobenzene-d4	12.317	152	50997	56.654	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2761	2.751	ug/L	89
3) Chloromethane	1.300	50	1837	2.213	ug/L	94
5) Vinyl chloride	1.374	62	1651	2.092	ug/L #	62
6) Bromomethane	1.599	94	888	3.597	ug/L	77
8) Chloroethane	1.666	64	804	2.783	ug/L #	51
9) Trichlorofluoromethane	1.873	101	3004	2.690	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	2713	3.381	ug/L	92
12) 1,1-Dichloroethene	2.312	96	2433	3.313	ug/L #	1
13) Acetone	2.398	43	2302	5.757	ug/L	98
14) Carbon disulfide	2.507	76	3740	2.086	ug/L	99
15) Methyl Acetate	2.715	43	2079	2.345	ug/L	95
16) Methylene chloride	2.782	84	2754	3.247	ug/L	83
17) trans-1,2-Dichloroethene	3.093	96	2022	2.683	ug/L	78
18) Methyl tert-butyl Ether	3.117	73	6994	2.677	ug/L #	89
19) 1,1-Dichloroethane	3.617	63	3341	2.322	ug/L	88
20) cis-1,2-Dichloroethene	4.489	96	2266	2.632	ug/L	80
22) 2-Butanone	4.593	43	3116m	5.116	ug/L	
23) Bromochloromethane	4.903	128	1106m	2.713	ug/L	
27) 1,2-Dichloroethane	6.098	62	3637	2.984	ug/L	98

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29) Cyclohexane	5.476	56	2741m	2.148	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	3729m	2.705	ug/L	
31) Carbon tetrachloride	5.678	117	2988m	2.566	ug/L	
33) Benzene	6.031	78	8681	2.628	ug/L	100
35) Methylcyclohexane	7.385	83	3425m	2.564	ug/L	
37) 1,2-Dichloropropane	7.433	63	2134	2.486	ug/L #	92
38) Bromodichloromethane	7.824	83	2459	2.216	ug/L #	90
39) cis-1,3-Dichloropropene	8.366	75	3499	2.655	ug/L	89
40) 4-Methyl-2-pentanone	8.580	43	5047	4.273	ug/L #	89
42) Toluene	8.720	91	9453	2.778	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	2829	2.368	ug/L	83
45) 1,1,2-Trichloroethane	9.153	97	2329	2.686	ug/L	90
46) Tetrachloroethene	9.275	164	1839	3.055	ug/L	89
48) 2-Hexanone	9.439	43	5341	5.814	ug/L #	95
49) Dibromochloromethane	9.518	129	2182	2.695	ug/L	92
50) 1,2-Dibromoethane	9.610	107	2671	2.962	ug/L #	96
51) Chlorobenzene	10.079	112	6441	2.928	ug/L	97
52) Ethylbenzene	10.195	91	10257	2.749	ug/L	95
53) m,p-Xylene	10.305	106	3789	2.695	ug/L	89
54) o-Xylene	10.640	106	3818	2.730	ug/L	93
55) Styrene	10.658	104	5676	2.435	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	4386	3.163	ug/L #	93
59) Bromoform	10.805	173	1469	2.748	ug/L	97
60) Isopropylbenzene	10.963	105	9403	2.613	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	3377	3.065	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	7593	2.537	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	7314	2.475	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	4407	2.847	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	4848	3.110	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	4964	3.185	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.951	75	758m	2.582	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	2580	2.687	ug/L #	93
70) 1,2,4-trichlorobenzene	13.585	180	2167	2.574	ug/L	97
71) Naphthalene	13.780	128	7824	2.409	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	2253	2.583	ug/L	96

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

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