

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041124\
 Data File : VD078811.D
 Acq On : 11 Apr 2024 13:05
 Operator : RP/MD
 Sample : VSTD10025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100125

Quant Time: Apr 12 06:46:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM041124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 12 06:43:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/12/2024
 Supervised By :Semsettin Yesilyurt 04/12/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	252522	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	262913	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	143164	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	664949	95.591	ug/L	0.00
7) Chloroethane-d5	2.799	69	654218	99.842	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	133761	104.696	ug/L	0.00
21) 2-Butanone-d5	6.987	46	158774	241.427	ug/L	0.00
24) Chloroform-d	7.569	84	705096	114.374	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	358314	114.402	ug/L	0.00
32) Benzene-d6	8.199	84	1473205	109.966	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	414040	107.404	ug/L	0.00
41) Toluene-d8	10.269	98	1478352	117.015	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	203530	115.680	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	151953	243.985	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	406154	111.723	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	565764	115.867	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	351932	96.846	ug/L	98
3) Chloromethane	2.146	50	481922	92.562	ug/L	99
5) Vinyl chloride	2.281	62	784929	100.261	ug/L	99
6) Bromomethane	2.687	94	655497	115.204	ug/L	98
8) Chloroethane	2.834	64	574837	100.635	ug/L	94
9) Trichlorofluoromethane	3.169	101	571559	99.801	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	369600	99.812	ug/L #	89
12) 1,1-Dichloroethene	3.934	96	356430m	107.966	ug/L	
13) Acetone	4.022	43	189366	222.011	ug/L	98
14) Carbon disulfide	4.269	76	1145149	101.883	ug/L	99
15) Methyl Acetate	4.563	43	136490	108.063	ug/L	96
16) Methylene chloride	4.799	84	382856	87.503	ug/L	98
17) trans-1,2-Dichloroethene	5.310	96	395056	107.035	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	855196	121.116	ug/L #	93
19) 1,1-Dichloroethane	6.110	63	590749	100.462	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	441003	109.907	ug/L	95
22) 2-Butanone	7.081	43	239977	229.469	ug/L	94
23) Bromochloromethane	7.428	128	206463	104.294	ug/L	92
25) Chloroform	7.593	83	692202	99.893	ug/L	95
27) 1,2-Dichloroethane	8.328	62	412130	105.821	ug/L	100
29) Cyclohexane	7.881	56	494927	110.806	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	572622	96.836	ug/L	98
31) Carbon tetrachloride	7.993	117	520626	98.205	ug/L	99
33) Benzene	8.252	78	1592813	106.847	ug/L	100
34) Trichloroethene	9.028	95	408792	102.794	ug/L	95
35) Methylcyclohexane	9.275	83	666381	112.796	ug/L	97
37) 1,2-Dichloropropane	9.304	63	381380	99.774	ug/L	100
38) Bromodichloromethane	9.587	83	523155	99.475	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	663737	113.051	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	392665	224.902	ug/L	97
42) Toluene	10.334	91	1836453	111.282	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	580464	112.824	ug/L	97

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Manual Integrations
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 Supervised By :Semsettin Yesilyurt 04/12/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	349602	104.739	ug/L	99
46) Tetrachloroethene	10.810	164	354738	106.526	ug/L	92
48) 2-Hexanone	10.922	43	333940	243.025	ug/L	97
49) Dibromochloromethane	11.075	129	417700	108.073	ug/L	98
50) 1,2-Dibromoethane	11.181	107	343264	105.824	ug/L	97
51) Chlorobenzene	11.604	112	1181267	106.126	ug/L	99
52) Ethylbenzene	11.681	91	1983704	114.323	ug/L	99
53) m,p-Xylene	11.793	106	792113	115.887	ug/L	94
54) o-Xylene	12.122	106	809653	122.544	ug/L	94
55) Styrene	12.134	104	1471481	124.269	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	406562	105.513	ug/L	99
59) Bromoform	12.298	173	288005	102.629	ug/L	99
60) Isopropylbenzene	12.422	105	2020327	111.517	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	252962	95.730	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	1274639	116.059	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	1587588	117.798	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	953776	105.777	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	988381	103.652	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	917290	107.989	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	56233	93.469	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	628247	108.345	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	543814	111.209	ug/L	98
71) Naphthalene	15.328	128	1171756	123.453	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	506915	113.219	ug/L	98

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

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