

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077292.D
 Acq On : 06 Oct 2023 18:04
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100623

Quant Time: Oct 09 09:54:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 09 09:52:06 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/09/2023
 Supervised By :Semsettin Yesilyurt 10/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	181898	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	311501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	156421	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	133731	58.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.420%	
35) Dibromofluoromethane	7.805	113	152820	56.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.720%	
50) Toluene-d8	10.269	98	577678	59.655	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 119.320%	
62) 4-Bromofluorobenzene	12.575	95	177025	57.488	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.980%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.928	85	125761	51.558	ug/l	99
3) Chloromethane	2.146	50	203741	52.658	ug/l	97
4) Vinyl Chloride	2.275	62	232247	49.639	ug/l	100
5) Bromomethane	2.681	94	127805	38.093	ug/l	100
6) Chloroethane	2.828	64	114305	37.966	ug/l	98
7) Trichlorofluoromethane	3.170	101	195009	39.923	ug/l	97
8) Diethyl Ether	3.593	74	83267	56.834	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.958	101	156313	52.095	ug/l	98
10) Methyl Iodide	4.158	142	212567	56.448	ug/l	91
11) Tert butyl alcohol	5.046	59	44456	265.795	ug/l	100
12) 1,1-Dichloroethene	3.934	96	156125	53.329	ug/l	91
13) Acrolein	3.793	56	79739	287.689	ug/l	99
14) Allyl chloride	4.558	41	211821	54.438	ug/l	92
15) Acrylonitrile	5.252	53	192860	283.589	ug/l	100
16) Acetone	4.017	43	166011	265.617	ug/l	92
17) Carbon Disulfide	4.264	76	505756	51.836	ug/l	98
18) Methyl Acetate	4.558	43	138984	56.187	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	360142	57.005	ug/l	94
20) Methylene Chloride	4.793	84	206385	53.170	ug/l	# 88
21) trans-1,2-Dichloroethene	5.305	96	188472	53.932	ug/l	98
22) Diisopropyl ether	6.216	45	491773	58.235	ug/l	94
23) Vinyl Acetate	6.152	43	986065m	279.844	ug/l	
24) 1,1-Dichloroethane	6.111	63	313545	53.482	ug/l	97
25) 2-Butanone	7.081	43	237220	280.397	ug/l	# 86
26) 2,2-Dichloropropane	7.075	77	255217	51.562	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	206936	53.776	ug/l	93
28) Bromochloromethane	7.422	49	106284	46.431	ug/l	# 76
29) Tetrahydrofuran	7.446	42	141298	291.225	ug/l	87
30) Chloroform	7.593	83	318972	52.491	ug/l	99
31) Cyclohexane	7.875	56	256222	53.862	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	268294	52.494	ug/l	98
36) 1,1-Dichloropropene	8.005	75	251061	55.420	ug/l	96
37) Ethyl Acetate	7.169	43	97250	53.473	ug/l	97
38) Carbon Tetrachloride	7.987	117	221101	52.387	ug/l	98
39) Methylcyclohexane	9.269	83	291782	55.457	ug/l	96
40) Benzene	8.246	78	736345	53.608	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	57273	56.202	ug/l	90
42) 1,2-Dichloroethane	8.322	62	174186	53.320	ug/l	99
43) Isopropyl Acetate	8.357	43	185450	55.522	ug/l	90
44) Trichloroethene	9.028	130	178482	51.186	ug/l	94
45) 1,2-Dichloropropane	9.299	63	184101	53.596	ug/l	99
46) Dibromomethane	9.393	93	97807	52.710	ug/l	90
47) Bromodichloromethane	9.581	83	237539	53.090	ug/l	97
48) Methyl methacrylate	9.381	41	84825	55.518	ug/l #	83
49) 1,4-Dioxane	9.381	88	23003	1179.666	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	494515	284.337	ug/l	91
52) Toluene	10.334	92	467076	54.762	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	232353	54.875	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	281499	54.254	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	136582	53.725	ug/l	97
56) Ethyl methacrylate	10.599	69	166597	58.340	ug/l	89
57) 1,3-Dichloropropane	10.881	76	229314	54.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	360631	263.303	ug/l	94
59) 2-Hexanone	10.922	43	349947	281.141	ug/l	90
60) Dibromochloromethane	11.075	129	154922	52.471	ug/l	94
61) 1,2-Dibromoethane	11.175	107	125033	52.898	ug/l	99
64) Tetrachloroethene	10.810	164	148334	52.087	ug/l	87
65) Chlorobenzene	11.604	112	469030	52.495	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	164402	51.901	ug/l	96
67) Ethyl Benzene	11.681	91	870413	54.071	ug/l	95
68) m/p-Xylenes	11.793	106	679713	108.794	ug/l	90
69) o-Xylene	12.122	106	313156	54.443	ug/l	90
70) Styrene	12.134	104	552186	55.801	ug/l	97
71) Bromoform	12.298	173	89698	53.548	ug/l #	99
73) Isopropylbenzene	12.422	105	825080	54.503	ug/l	95
74) N-amyl acetate	12.234	43	175312	56.358	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	159453	52.879	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	99738m	49.880	ug/l	
77) Bromobenzene	12.698	156	183839	53.322	ug/l	85
78) n-propylbenzene	12.763	91	1031043	54.541	ug/l	95
79) 2-Chlorotoluene	12.851	91	550062	54.017	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	682322	54.730	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	51564	53.522	ug/l	95
82) 4-Chlorotoluene	12.945	91	575598	53.414	ug/l	94
83) tert-Butylbenzene	13.169	119	580190	54.752	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	682695	54.510	ug/l	96
85) sec-Butylbenzene	13.345	105	896870	54.836	ug/l	95
86) p-Isopropyltoluene	13.457	119	744074	55.048	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	383199	53.074	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	371766	52.234	ug/l	98
89) n-Butylbenzene	13.787	91	717289	54.640	ug/l	98
90) Hexachloroethane	14.051	117	138563	51.682	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	325777	52.632	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	21681	54.519	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	202791	53.668	ug/l	98
94) Hexachlorobutadiene	15.204	225	102303	52.681	ug/l	99
95) Naphthalene	15.334	128	410432	55.525	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	179492	54.303	ug/l	98

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

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